

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.IES

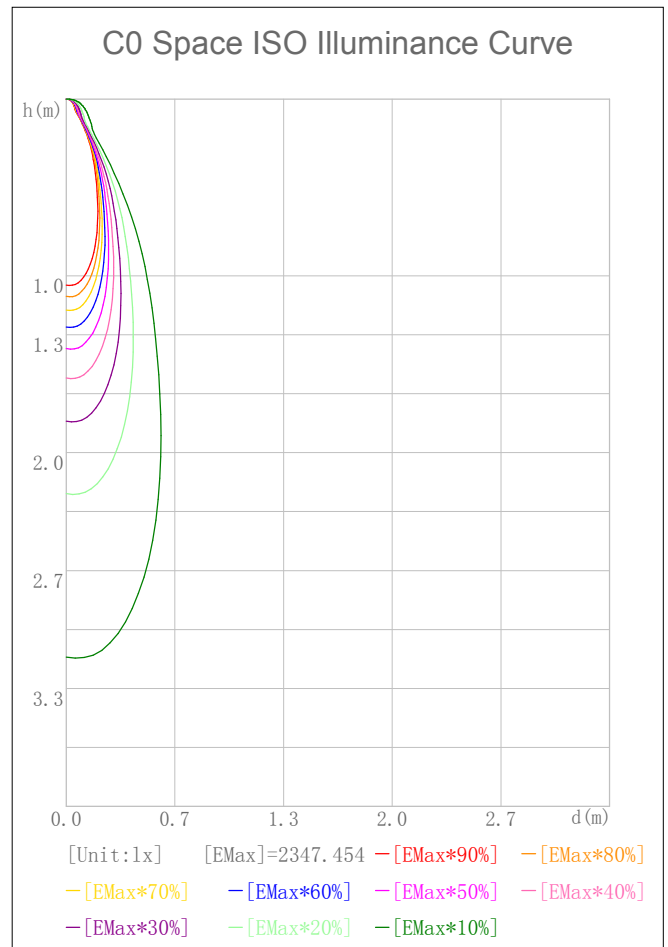
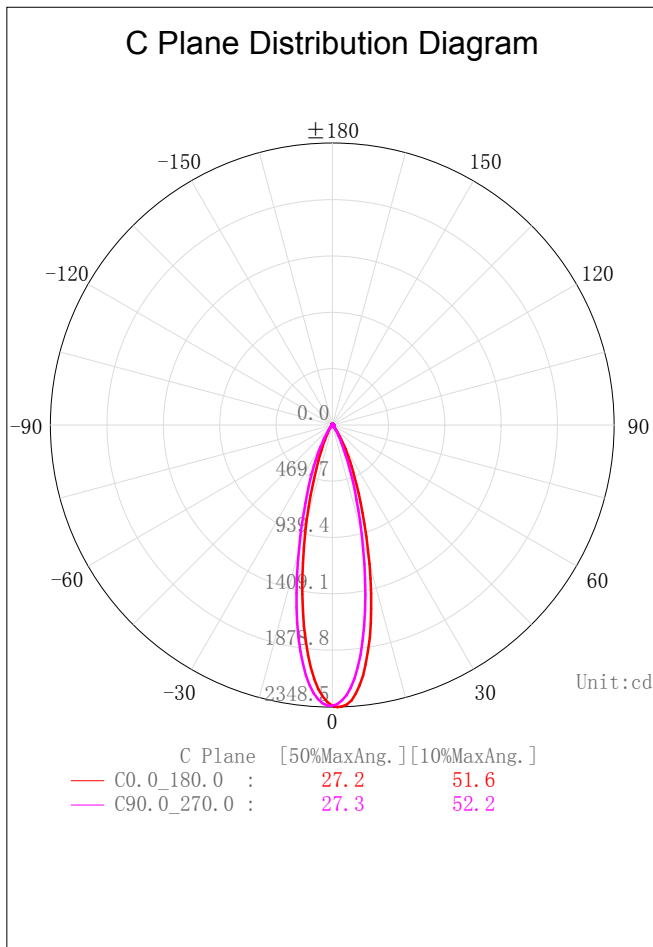
## Indoor Luminaire Photometric Data

### Description Information

Luminary Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Date: 2023/07/16
Manufacture: -	Shld. Ang(°):24	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): 679.000	Luminary Flux(lm): 679.614	Field Angle(10%Imax): 51.6(°)	
Rated Power(W): 12	Luminary Efficiency: 100.09%	Down Lumens&Percent: 655.191lm 96.41%	
Rated Voltage(V): 220	Luminary EER(lm/W): 57.497	Up Lumens&Percent: 24.423lm 3.59%	
Tested Power(W): 11.820	Max. Candela(cd): 2348.527	S/MH: C0_a180=0.457 C90_270=0.457	
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 $\gamma$ =1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):220.4, 0.096, 0.555	Beam Angle(50%Imax): 27.2(°)	ErP $\Phi$ use(90°): 622.488lm	
Lamp Size(W*L*H):0.066m*0.066m*0.000m	Left=-12.0°, Right=15.2°	IRF(%): 693.320	



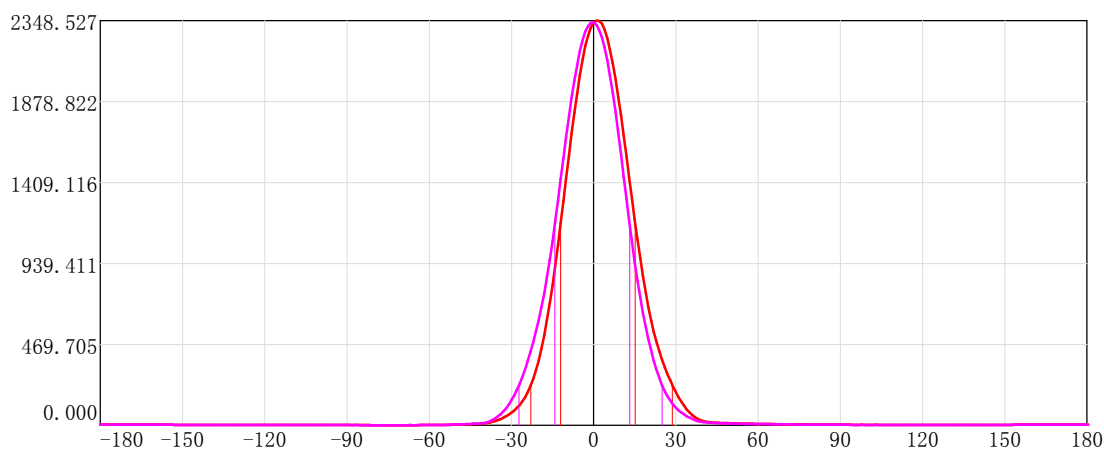
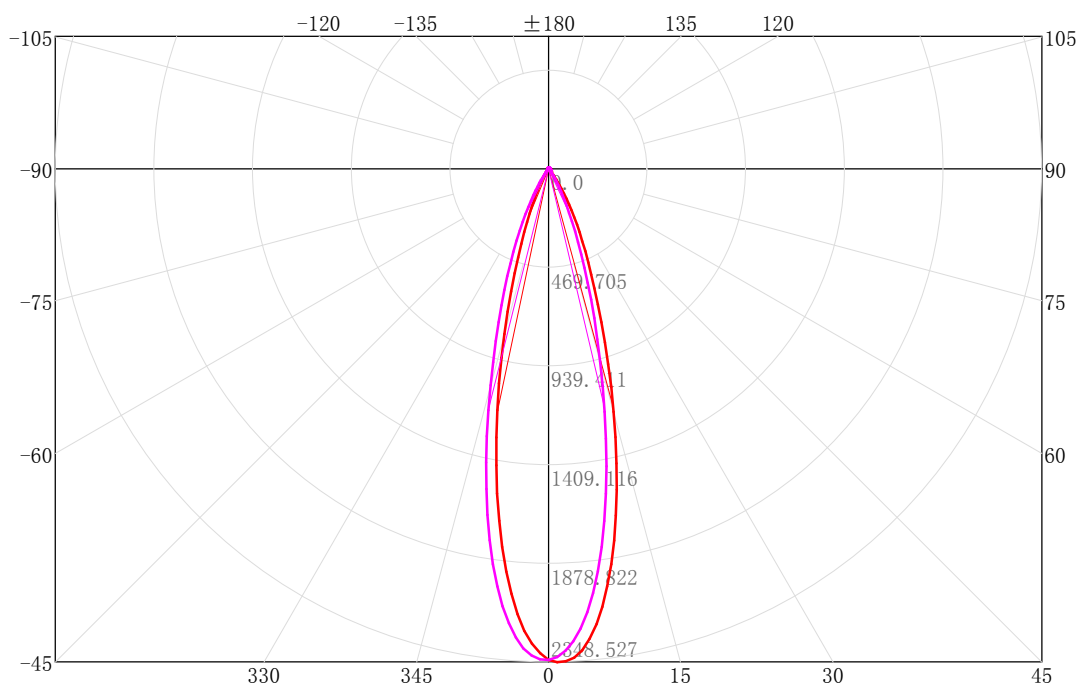
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## 2D Plane Light Intensity Distribution Curve

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/16

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	27.2	51.6	
—	C90.0_270.0 :	27.3	52.2	

# IES Indoor Report

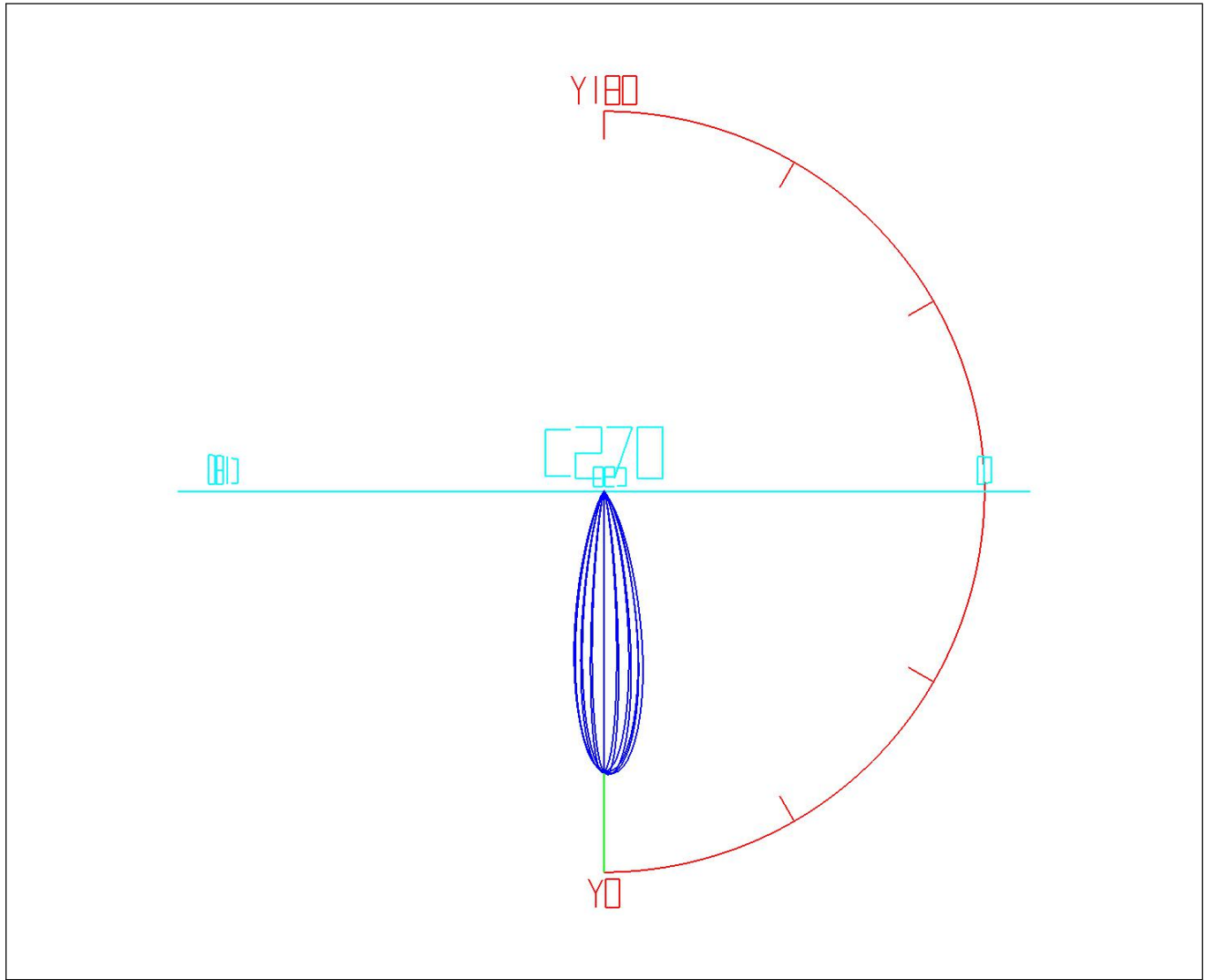
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## 3D Light Intensity Distribution Modal

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16

## 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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# IES Indoor Report

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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	2.23	2.23	0.33	0.33	47.0-48.0	0.87	632.47	0.13	93.15
1.0-2.0	6.65	8.89	0.98	1.31	48.0-49.0	0.84	633.31	0.12	93.27
2.0-3.0	10.94	19.83	1.61	2.92	49.0-50.0	0.80	634.11	0.12	93.39
3.0-4.0	15.00	34.83	2.21	5.13	50.0-51.0	0.76	634.87	0.11	93.50
4.0-5.0	18.74	53.57	2.76	7.89	51.0-52.0	0.73	635.60	0.11	93.61
5.0-6.0	22.07	75.64	3.25	11.14	52.0-53.0	0.70	636.30	0.10	93.71
6.0-7.0	24.94	100.58	3.67	14.81	53.0-54.0	0.68	636.98	0.10	93.81
7.0-8.0	27.30	127.88	4.02	18.83	54.0-55.0	0.66	637.65	0.10	93.91
8.0-9.0	29.10	156.98	4.29	23.12	55.0-56.0	0.65	638.29	0.10	94.00
9.0-10.0	30.35	187.33	4.47	27.59	56.0-57.0	0.64	638.93	0.09	94.10
10.0-11.0	31.05	218.39	4.57	32.16	57.0-58.0	0.63	639.56	0.09	94.19
11.0-12.0	31.23	249.62	4.60	36.76	58.0-59.0	0.62	640.17	0.09	94.28
12.0-13.0	30.93	280.55	4.55	41.32	59.0-60.0	0.61	640.78	0.09	94.37
13.0-14.0	30.19	310.73	4.45	45.76	60.0-61.0	0.60	641.38	0.09	94.46
14.0-15.0	29.09	339.82	4.28	50.05	61.0-62.0	0.59	641.96	0.09	94.55
15.0-16.0	27.71	367.54	4.08	54.13	62.0-63.0	0.58	642.54	0.08	94.63
16.0-17.0	26.13	393.67	3.85	57.98	63.0-64.0	0.56	643.10	0.08	94.71
17.0-18.0	24.44	418.11	3.60	61.58	64.0-65.0	0.54	643.64	0.08	94.79
18.0-19.0	22.71	440.82	3.35	64.92	65.0-66.0	0.52	644.16	0.08	94.87
19.0-20.0	21.01	461.83	3.09	68.02	66.0-67.0	0.51	644.67	0.08	94.94
20.0-21.0	19.34	481.17	2.85	70.86	67.0-68.0	0.50	645.18	0.07	95.02
21.0-22.0	17.73	498.90	2.61	73.48	68.0-69.0	0.49	645.67	0.07	95.09
22.0-23.0	16.16	515.07	2.38	75.86	69.0-70.0	0.48	646.15	0.07	95.16
23.0-24.0	14.64	529.71	2.16	78.01	70.0-71.0	0.48	646.62	0.07	95.23
24.0-25.0	13.19	542.89	1.94	79.96	71.0-72.0	0.47	647.09	0.07	95.30
25.0-26.0	11.83	554.72	1.74	81.70	72.0-73.0	0.46	647.55	0.07	95.37
26.0-27.0	10.58	565.31	1.56	83.26	73.0-74.0	0.46	648.01	0.07	95.44
27.0-28.0	9.43	574.74	1.39	84.65	74.0-75.0	0.46	648.47	0.07	95.50
28.0-29.0	8.35	583.09	1.23	85.87	75.0-76.0	0.45	648.93	0.07	95.57
29.0-30.0	7.34	590.43	1.08	86.96	76.0-77.0	0.46	649.38	0.07	95.64
30.0-31.0	6.39	596.82	0.94	87.90	77.0-78.0	0.46	649.84	0.07	95.71
31.0-32.0	5.51	602.33	0.81	88.71	78.0-79.0	0.46	650.30	0.07	95.77
32.0-33.0	4.71	607.04	0.69	89.40	79.0-80.0	0.46	650.76	0.07	95.84
33.0-34.0	4.00	611.05	0.59	89.99	80.0-81.0	0.45	651.21	0.07	95.91
34.0-35.0	3.37	614.42	0.50	90.49	81.0-82.0	0.45	651.66	0.07	95.97
35.0-36.0	2.83	617.25	0.42	90.91	82.0-83.0	0.45	652.10	0.07	96.04
36.0-37.0	2.35	619.59	0.35	91.25	83.0-84.0	0.44	652.55	0.07	96.10
37.0-38.0	1.93	621.52	0.28	91.53	84.0-85.0	0.44	652.99	0.07	96.17
38.0-39.0	1.59	623.12	0.23	91.77	85.0-86.0	0.44	653.44	0.07	96.24
39.0-40.0	1.35	624.47	0.20	91.97	86.0-87.0	0.44	653.88	0.07	96.30
40.0-41.0	1.20	625.67	0.18	92.15	87.0-88.0	0.44	654.31	0.06	96.36
41.0-42.0	1.10	626.77	0.16	92.31	88.0-89.0	0.44	654.75	0.06	96.43
42.0-43.0	1.05	627.82	0.15	92.46	89.0-90.0	0.44	655.19	0.06	96.49
43.0-44.0	1.00	628.82	0.15	92.61	90.0-91.0	0.44	655.63	0.06	96.56
44.0-45.0	0.96	629.78	0.14	92.75	91.0-92.0	0.43	656.06	0.06	96.62
45.0-46.0	0.93	630.71	0.14	92.89	92.0-93.0	0.43	656.49	0.06	96.69
46.0-47.0	0.90	631.60	0.13	93.02	93.0-94.0	0.43	656.92	0.06	96.75

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## Zonal Flux Tabulation - (Cont.)

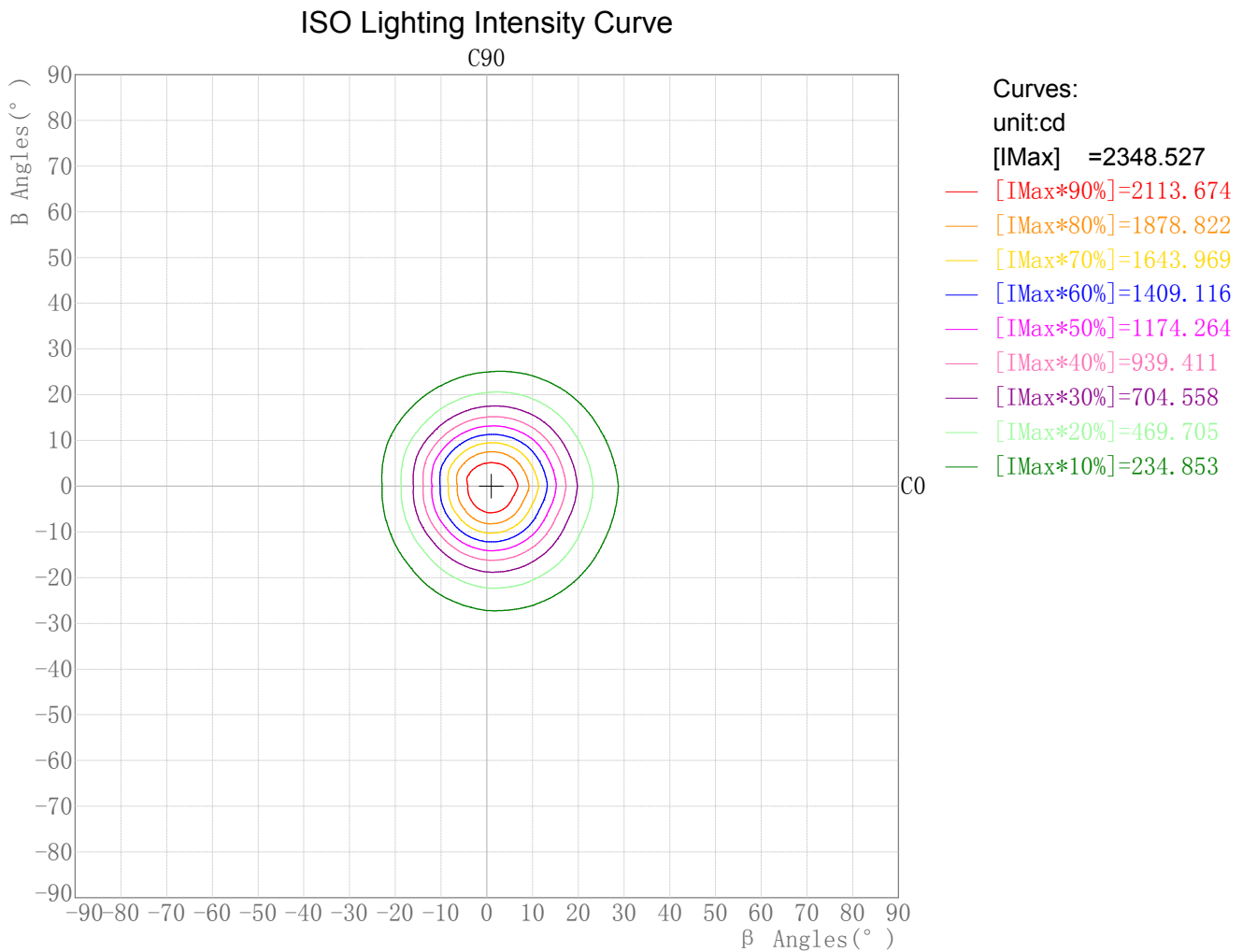
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.43	657.35	0.06	96.81	141.0-142.0	0.26	673.45	0.04	99.18
95.0-96.0	0.43	657.78	0.06	96.87	142.0-143.0	0.26	673.71	0.04	99.22
96.0-97.0	0.42	658.19	0.06	96.94	143.0-144.0	0.26	673.97	0.04	99.26
97.0-98.0	0.42	658.61	0.06	97.00	144.0-145.0	0.25	674.22	0.04	99.30
98.0-99.0	0.42	659.03	0.06	97.06	145.0-146.0	0.25	674.46	0.04	99.33
99.0-100.0	0.41	659.44	0.06	97.12	146.0-147.0	0.24	674.71	0.04	99.37
100.0-101.0	0.40	659.84	0.06	97.18	147.0-148.0	0.24	674.95	0.04	99.40
101.0-102.0	0.40	660.24	0.06	97.24	148.0-149.0	0.24	675.19	0.04	99.44
102.0-103.0	0.40	660.64	0.06	97.30	149.0-150.0	0.24	675.42	0.03	99.47
103.0-104.0	0.40	661.04	0.06	97.35	150.0-151.0	0.23	675.65	0.03	99.51
104.0-105.0	0.39	661.43	0.06	97.41	151.0-152.0	0.23	675.89	0.03	99.54
105.0-106.0	0.39	661.82	0.06	97.47	152.0-153.0	0.23	676.12	0.03	99.58
106.0-107.0	0.39	662.21	0.06	97.53	153.0-154.0	0.23	676.34	0.03	99.61
107.0-108.0	0.39	662.60	0.06	97.58	154.0-155.0	0.22	676.57	0.03	99.64
108.0-109.0	0.38	662.98	0.06	97.64	155.0-156.0	0.22	676.79	0.03	99.67
109.0-110.0	0.38	663.35	0.06	97.70	156.0-157.0	0.22	677.00	0.03	99.71
110.0-111.0	0.37	663.73	0.06	97.75	157.0-158.0	0.21	677.21	0.03	99.74
111.0-112.0	0.37	664.10	0.05	97.81	158.0-159.0	0.20	677.41	0.03	99.77
112.0-113.0	0.36	664.46	0.05	97.86	159.0-160.0	0.19	677.60	0.03	99.79
113.0-114.0	0.36	664.82	0.05	97.91	160.0-161.0	0.19	677.79	0.03	99.82
114.0-115.0	0.36	665.18	0.05	97.96	161.0-162.0	0.18	677.97	0.03	99.85
115.0-116.0	0.35	665.53	0.05	98.02	162.0-163.0	0.17	678.14	0.03	99.87
116.0-117.0	0.35	665.89	0.05	98.07	163.0-164.0	0.17	678.31	0.02	99.90
117.0-118.0	0.35	666.24	0.05	98.12	164.0-165.0	0.15	678.47	0.02	99.92
118.0-119.0	0.35	666.58	0.05	98.17	165.0-166.0	0.14	678.61	0.02	99.94
119.0-120.0	0.34	666.93	0.05	98.22	166.0-167.0	0.14	678.75	0.02	99.96
120.0-121.0	0.34	667.27	0.05	98.27	167.0-168.0	0.13	678.87	0.02	99.98
121.0-122.0	0.33	667.60	0.05	98.32	168.0-169.0	0.12	678.99	0.02	100.00
122.0-123.0	0.33	667.93	0.05	98.37	169.0-170.0	0.11	679.10	0.02	100.01
123.0-124.0	0.33	668.25	0.05	98.42	170.0-171.0	0.10	679.19	0.01	100.03
124.0-125.0	0.32	668.58	0.05	98.47	171.0-172.0	0.09	679.28	0.01	100.04
125.0-126.0	0.32	668.90	0.05	98.51	172.0-173.0	0.08	679.36	0.01	100.05
126.0-127.0	0.32	669.22	0.05	98.56	173.0-174.0	0.07	679.43	0.01	100.06
127.0-128.0	0.31	669.53	0.05	98.60	174.0-175.0	0.06	679.48	0.01	100.07
128.0-129.0	0.31	669.83	0.05	98.65	175.0-176.0	0.05	679.53	0.01	100.08
129.0-130.0	0.30	670.13	0.04	98.69	176.0-177.0	0.04	679.57	0.01	100.08
130.0-131.0	0.30	670.43	0.04	98.74	177.0-178.0	0.03	679.59	0.00	100.09
131.0-132.0	0.29	670.72	0.04	98.78	178.0-179.0	0.02	679.61	0.00	100.09
132.0-133.0	0.29	671.01	0.04	98.82	179.0-180.0	0.01	679.61	0.00	100.09
133.0-134.0	0.28	671.29	0.04	98.87					
134.0-135.0	0.28	671.57	0.04	98.91					
135.0-136.0	0.28	671.85	0.04	98.95					
136.0-137.0	0.27	672.12	0.04	98.99					
137.0-138.0	0.27	672.39	0.04	99.03					
138.0-139.0	0.27	672.66	0.04	99.07					
139.0-140.0	0.27	672.93	0.04	99.11					
140.0-141.0	0.26	673.19	0.04	99.14					

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## Rectangle ISO Lighting Intensity Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16

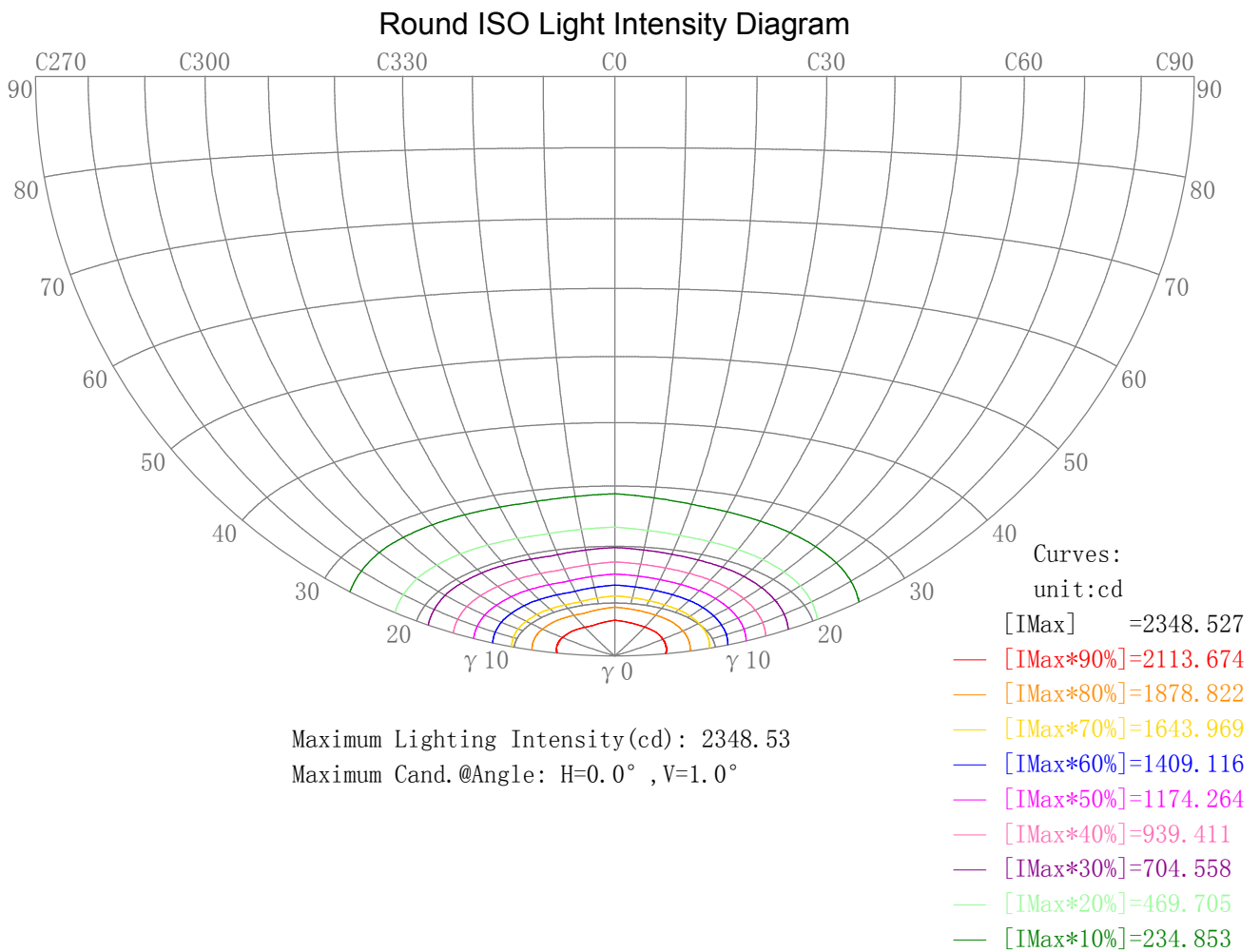


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## Round ISO Lighting Intensity Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16



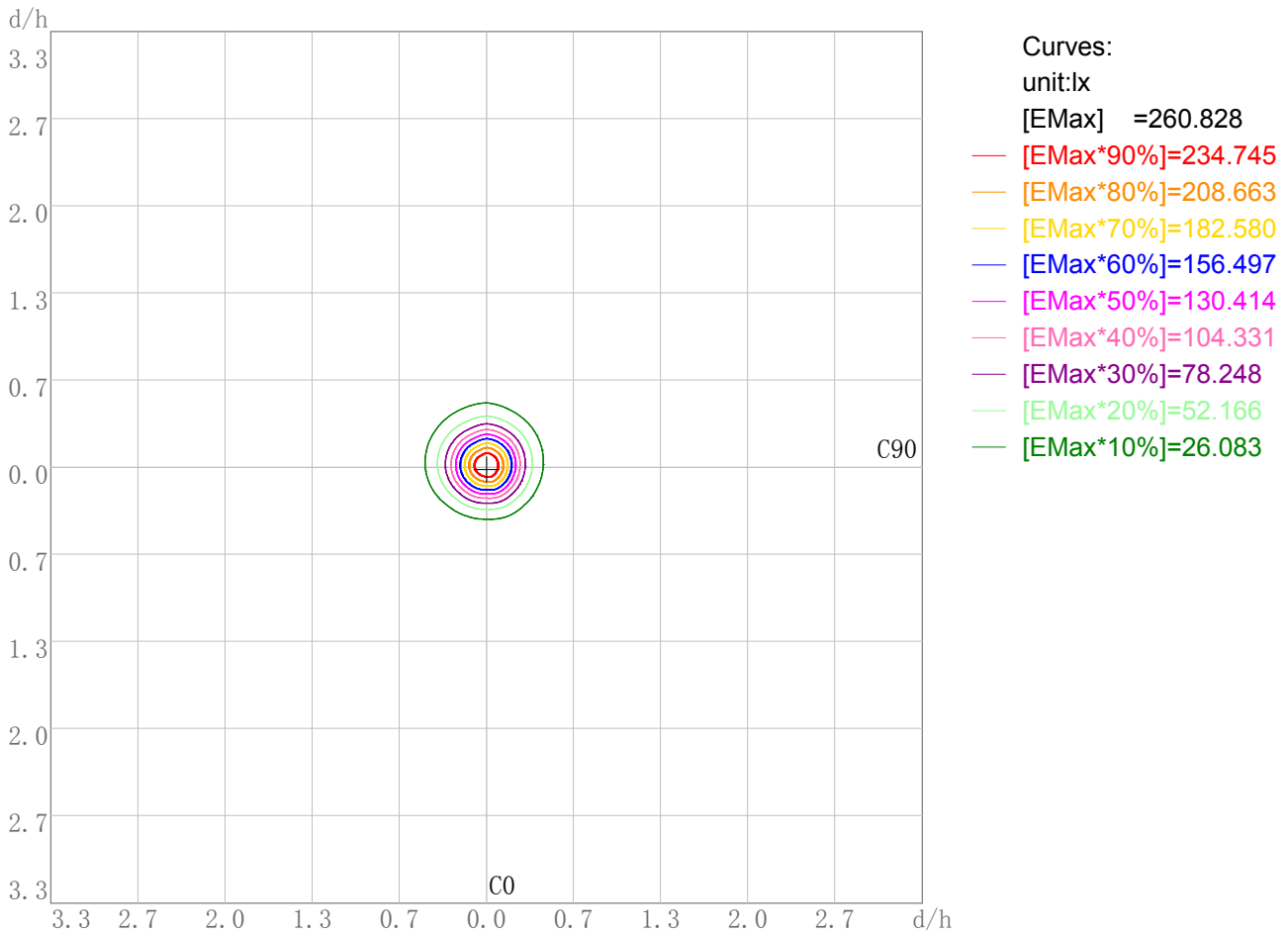
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## Plane ISO-Illuminance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 260.83  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0



**IES Indoor Report**

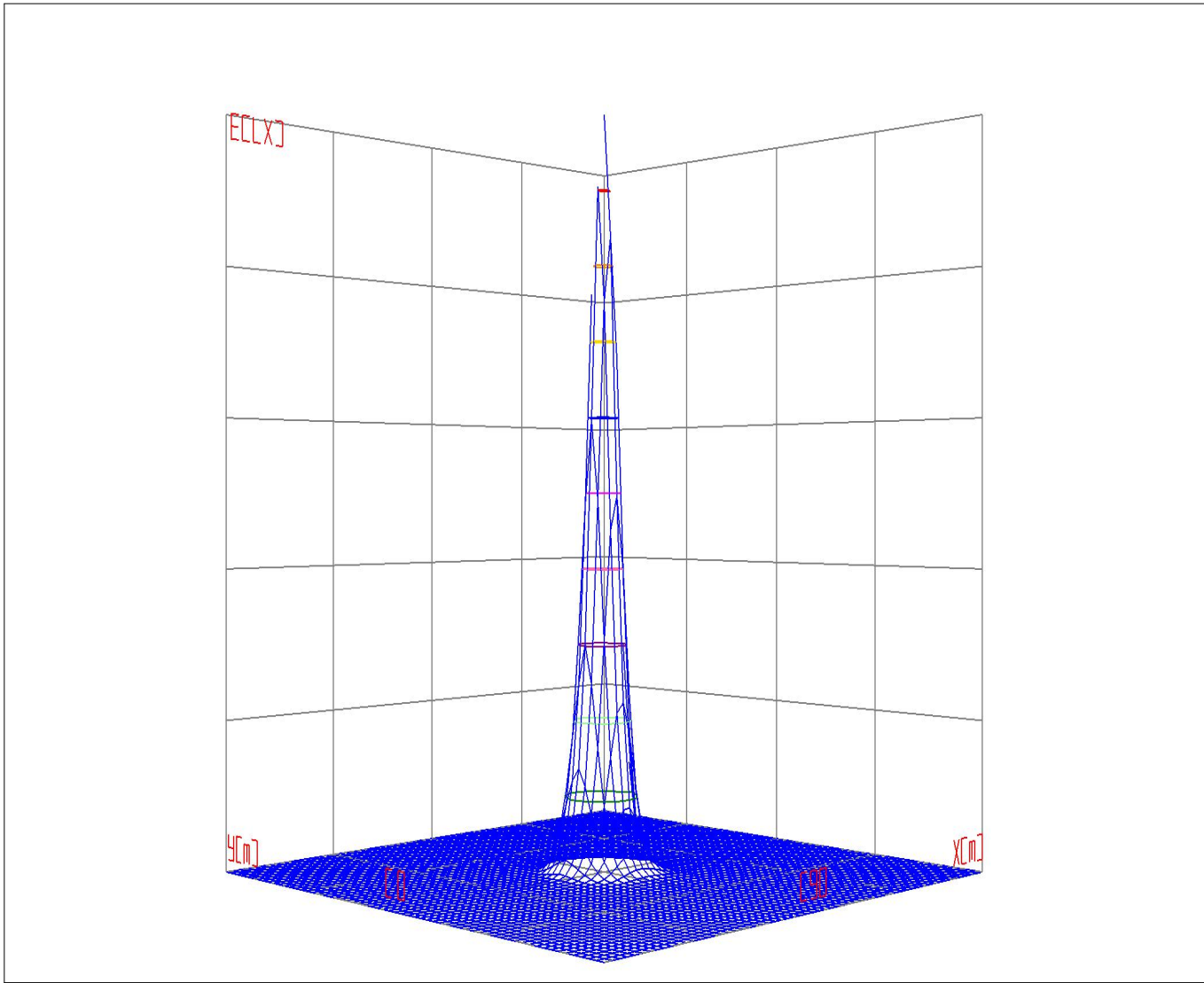
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**3D Plane ISO Illuminance Diagram**

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/16

**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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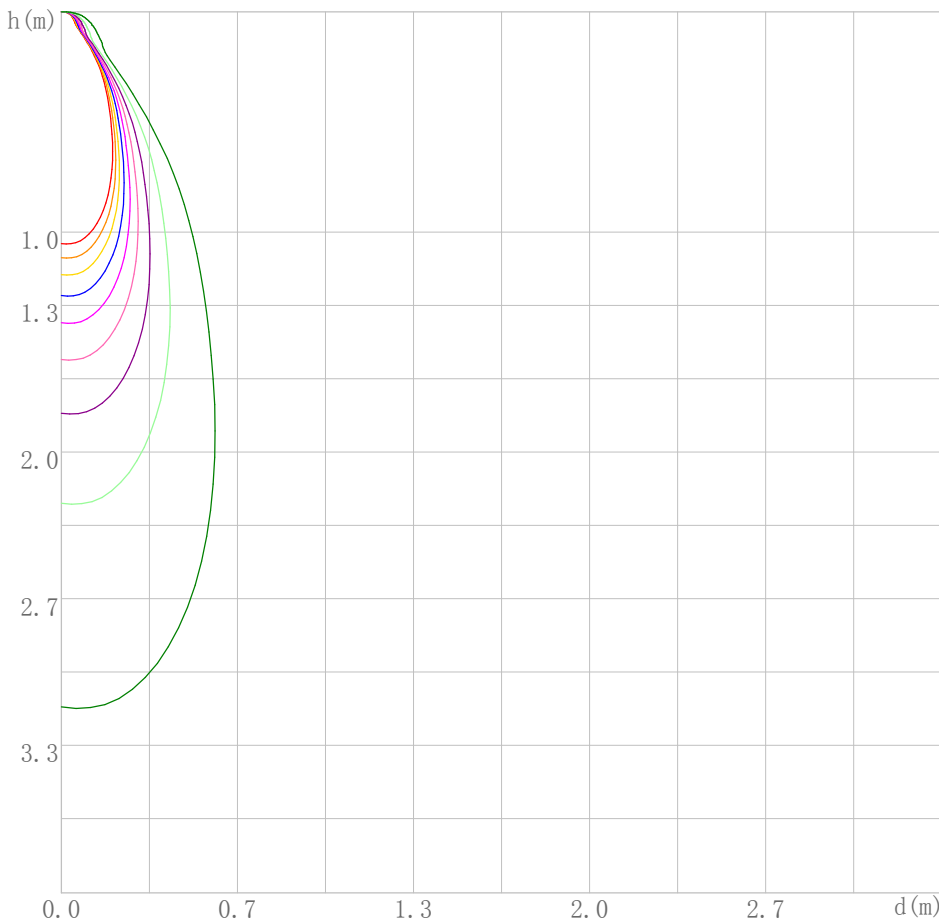
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## Space ISO Illuminance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16

### Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =2347.454

— [EMax\*90%]=2112.709

— [EMax\*80%]=1877.963

— [EMax\*70%]=1643.218

— [EMax\*60%]=1408.473

— [EMax\*50%]=1173.727

— [EMax\*40%]=938.982

— [EMax\*30%]=704.236

— [EMax\*20%]=469.491

— [EMax\*10%]=234.745

Space Plane Maximum Illuminance and @Angle:2347.45lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:2348.527cd,0deg

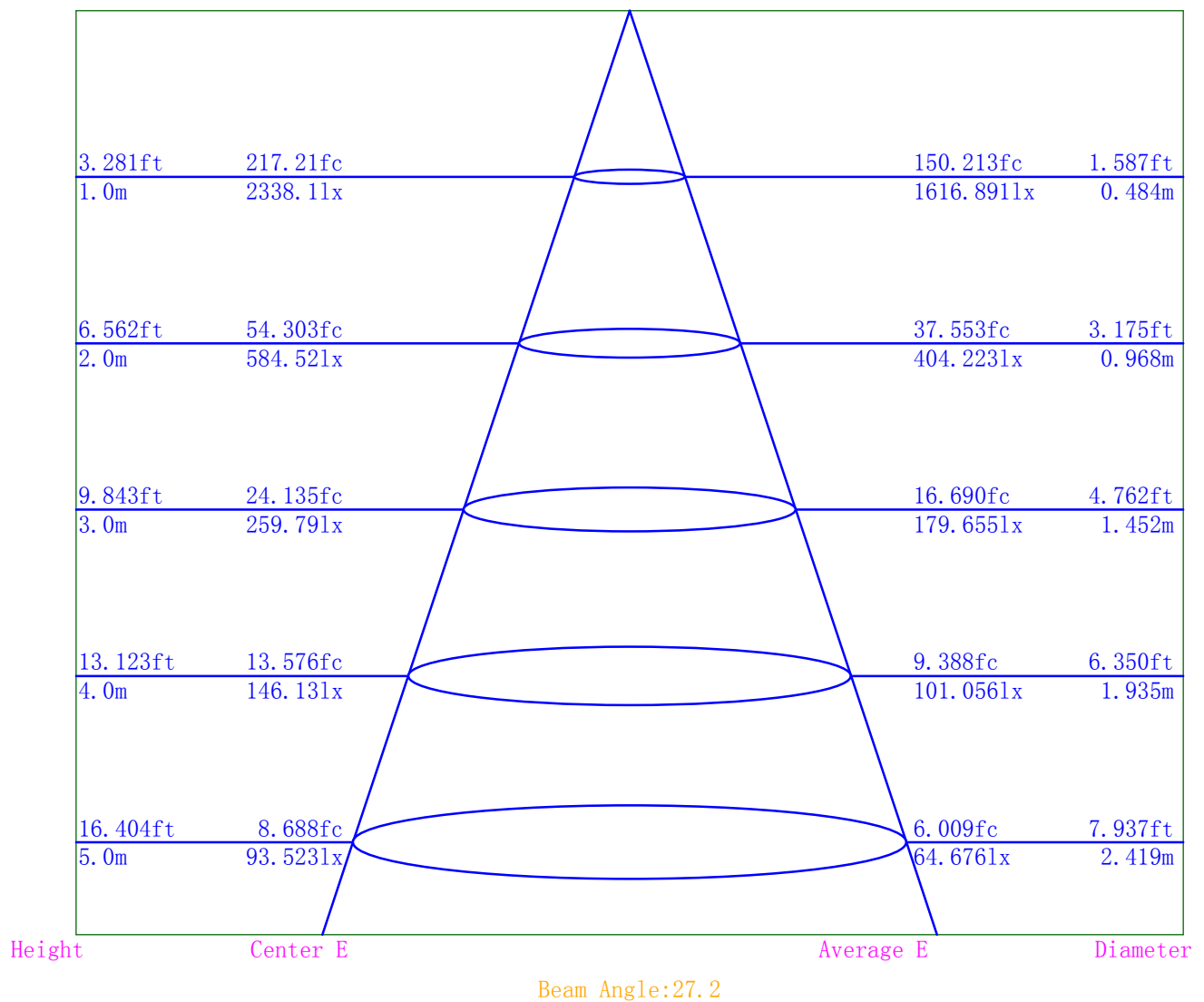
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## Illuminance-Distance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16

Illuminance-Distance Curve



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Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.IES

## Indoor Luminance Limiting Curves

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/16

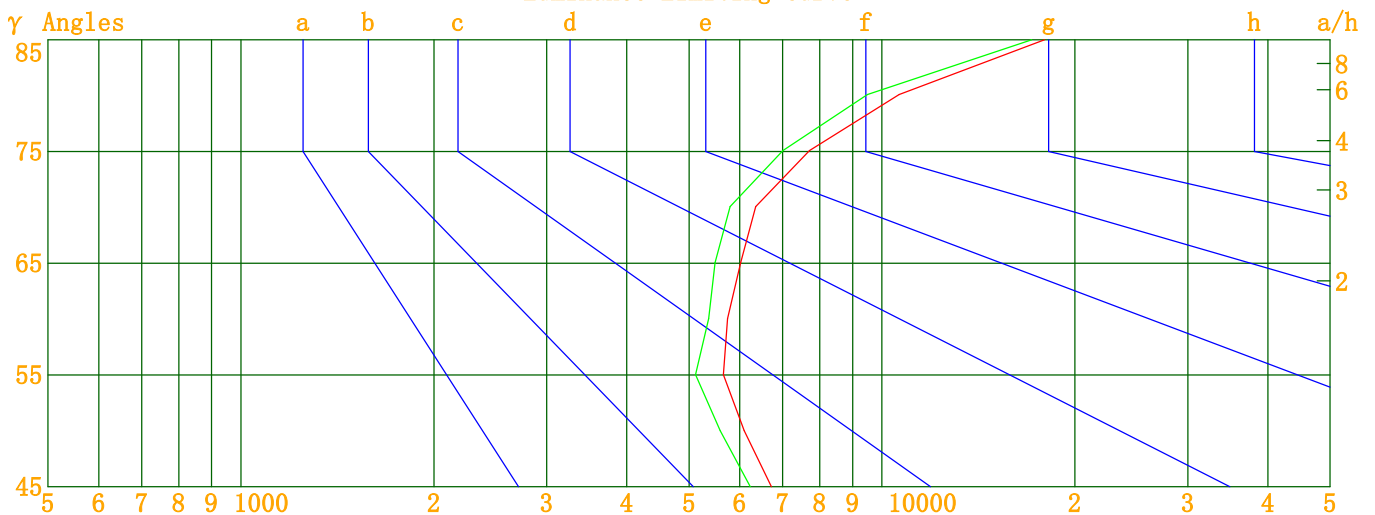
Glare Grade Table

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	6723	6100	5661	5741	6018	6352	7711	10635	17932
C90	6231	5595	5116	5368	5489	5799	7009	9487	17124

Luminance Limiting Curve



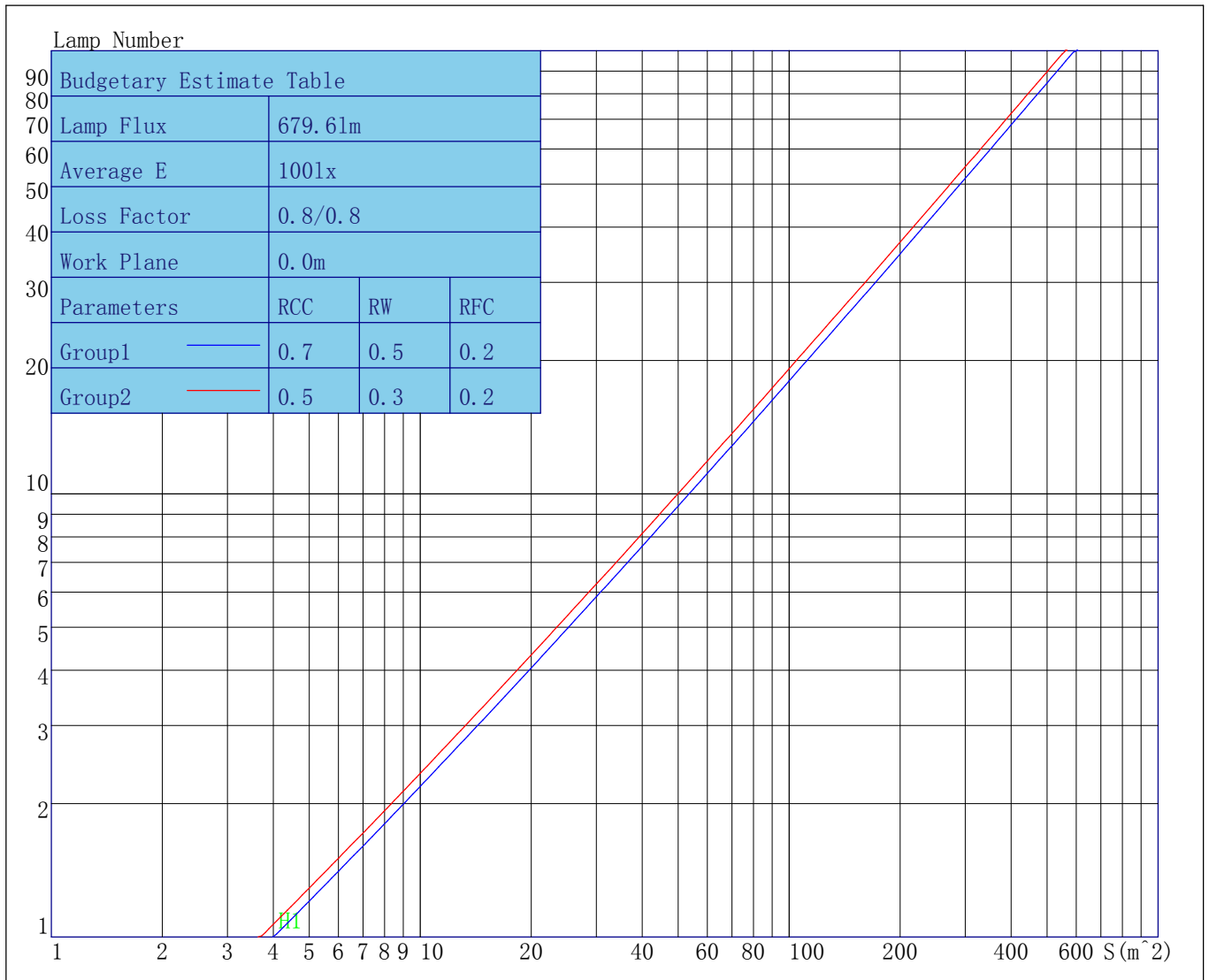
Luminous Size: Length(m)=-0.066 Width(m)=-0.066 Height(m)=0.000 Area(m^2)=0.003421  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.IES

## Indoor Budgetary Estimate Table

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/16



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:AW12540 12W 1204C9 3090 ZHT35-24D 300.IES

## Indoor Coefficient of Utilization Table

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/16

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	109	109	109	104	104	104	99	99	99	96
1	113	111	109	107	111	108	106	105	104	102	101	99	98	97	95	94	94	92
2	109	105	101	98	106	103	99	97	99	96	94	95	93	92	92	91	89	88
3	105	99	95	92	102	98	94	91	95	91	89	92	89	87	89	87	85	84
4	101	95	90	87	99	93	89	86	91	87	84	88	86	83	86	84	82	80
5	97	90	86	82	95	89	85	82	87	84	81	85	82	80	84	81	79	77
6	94	87	82	78	92	86	81	78	84	80	77	82	79	77	81	78	76	75
7	91	83	79	75	89	83	78	75	81	77	74	80	76	74	78	75	73	72
8	88	80	76	72	87	80	75	72	78	74	72	77	74	71	76	73	71	69
9	85	77	73	70	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	81	74	70	67	73	70	67	72	69	66	72	68	66	65

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.IES

## Unified Glare Rating Table

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/16

## 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	12.6	13.5	13.0	13.9	14.3	11.9	12.8	12.3	13.2	13.6
	Y=3H	13.6	14.4	14.0	14.8	15.3	13.3	14.1	13.7	14.5	15.0
	Y=4H	14.4	15.1	14.8	15.6	16.0	14.2	15.0	14.7	15.4	15.9
	Y=6H	15.6	16.3	16.0	16.7	17.2	15.4	16.1	15.9	16.5	17.0
	Y=8H	16.2	16.9	16.7	17.4	17.9	16.1	16.7	16.6	17.2	17.7
	Y=12H	17.0	17.7	17.6	18.1	18.7	16.9	17.5	17.4	18.0	18.5
X=4H	Y=2H	12.7	13.4	13.1	13.9	14.3	12.3	13.1	12.8	13.5	14.0
	Y=3H	13.8	14.5	14.3	15.0	15.5	14.0	14.7	14.5	15.2	15.7
	Y=4H	14.8	15.4	15.3	15.9	16.4	15.2	15.8	15.7	16.3	16.8
	Y=6H	16.2	16.7	16.8	17.3	17.8	16.6	17.1	17.2	17.6	18.2
	Y=8H	17.1	17.6	17.6	18.1	18.6	17.5	17.9	18.0	18.4	19.0
	Y=12H	18.1	18.5	18.7	19.1	19.6	18.4	18.8	19.0	19.4	19.9
X=8H	Y=4H	15.1	15.5	15.6	16.1	16.6	15.7	16.1	16.2	16.7	17.2
	Y=6H	16.7	17.1	17.3	17.7	18.3	17.4	17.8	18.0	18.4	19.0
	Y=8H	17.8	18.1	18.3	18.7	19.3	18.4	18.8	19.0	19.4	19.9
	Y=12H	19.0	19.3	19.6	19.9	20.5	19.7	19.9	20.2	20.5	21.2
X=12H	Y=4H	15.1	15.5	15.7	16.1	16.7	15.8	16.2	16.3	16.7	17.3
	Y=6H	16.9	17.2	17.5	17.8	18.4	17.7	18.0	18.2	18.5	19.2
	Y=8H	18.0	18.3	18.6	18.9	19.6	18.8	19.1	19.4	19.7	20.3
Variations with the objverer position at spacings											
S=1.0H	0.0/-0.1					0.1/-0.1					
S=1.5H	0.1/-0.1					0.1/-0.1					
S=2.0H	0.1/-0.4					0.1/-0.1					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	4.0					4.7					

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

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.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
$\gamma$ 0.0	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07	2338.07
$\gamma$ 1.0	2348.53	2339.19	2335.54	2328.62	2324.06	2323.12	2325.07	2324.42	2306.70	2309.28	2314.90	2326.16
$\gamma$ 2.0	2345.90	2331.77	2321.39	2305.87	2294.63	2288.99	2288.64	2288.97	2261.30	2270.05	2281.82	2301.21
$\gamma$ 3.0	2331.11	2310.57	2294.14	2271.76	2252.26	2241.61	2239.28	2239.30	2201.70	2216.19	2232.91	2261.63
$\gamma$ 4.0	2298.05	2271.25	2252.45	2220.78	2194.46	2178.26	2172.51	2173.75	2124.45	2145.07	2164.67	2203.50
$\gamma$ 5.0	2245.50	2213.17	2192.25	2151.17	2118.63	2097.38	2088.21	2089.50	2030.85	2057.13	2082.51	2130.10
$\gamma$ 6.0	2179.84	2141.93	2115.43	2069.87	2029.71	2004.29	1992.44	1992.71	1927.29	1958.41	1988.73	2045.51
$\gamma$ 7.0	2100.34	2057.55	2027.39	1974.83	1929.35	1899.30	1884.36	1884.61	1813.83	1848.93	1883.18	1947.97
$\gamma$ 8.0	2007.47	1960.63	1926.88	1868.36	1817.34	1782.97	1765.68	1766.18	1690.66	1730.24	1768.51	1839.24
$\gamma$ 9.0	1904.88	1854.66	1817.01	1752.84	1697.08	1658.85	1639.33	1640.12	1563.86	1606.84	1647.36	1723.98
$\gamma$ 10.0	1796.59	1741.45	1699.64	1631.52	1570.69	1529.37	1508.12	1509.36	1433.31	1478.95	1522.63	1603.19
$\gamma$ 11.0	1681.23	1622.77	1578.05	1506.18	1441.79	1397.63	1375.51	1377.07	1303.02	1349.66	1394.59	1479.14
$\gamma$ 12.0	1561.16	1501.59	1454.95	1379.23	1313.45	1266.70	1243.11	1245.23	1174.26	1221.60	1265.96	1353.87
$\gamma$ 13.0	1438.95	1380.44	1330.55	1255.19	1187.47	1138.26	1112.77	1115.46	1047.64	1095.67	1139.79	1228.79
$\gamma$ 14.0	1316.47	1259.07	1208.83	1134.80	1065.24	1014.99	987.91	991.06	926.60	973.42	1016.87	1106.26
$\gamma$ 15.0	1197.53	1139.91	1092.21	1018.84	950.26	899.63	871.07	874.18	813.57	857.87	899.48	989.47
$\gamma$ 16.0	1081.06	1025.51	978.55	909.20	842.81	791.35	760.48	764.16	707.41	749.19	789.28	879.66
$\gamma$ 17.0	971.35	915.77	872.08	807.06	743.36	692.27	659.91	662.70	610.77	648.59	688.18	778.77
$\gamma$ 18.0	868.30	813.22	773.24	714.33	654.18	603.17	569.06	570.73	522.85	556.98	596.36	687.45
$\gamma$ 19.0	772.12	720.22	683.63	630.92	573.29	523.57	489.70	489.52	446.36	475.24	516.20	606.59
$\gamma$ 20.0	687.53	636.02	603.66	555.72	501.16	452.92	419.77	418.38	378.76	404.12	445.03	534.24
$\gamma$ 21.0	609.72	560.57	531.05	488.07	435.62	389.49	359.08	356.62	321.60	342.23	383.26	470.70
$\gamma$ 22.0	542.31	493.70	466.80	426.19	375.59	332.96	306.44	303.40	272.26	289.81	329.18	412.82
$\gamma$ 23.0	482.92	434.26	408.20	370.15	322.10	283.37	260.62	257.42	230.10	245.23	280.75	359.67
$\gamma$ 24.0	429.50	380.88	355.19	318.76	274.26	239.70	219.85	217.39	193.95	207.27	238.48	310.26
$\gamma$ 25.0	379.92	333.31	307.10	272.93	232.36	202.53	185.82	184.05	164.00	175.43	202.52	265.83
$\gamma$ 26.0	336.21	291.40	265.09	233.05	197.34	171.73	157.89	156.56	139.45	149.33	171.81	227.06
$\gamma$ 27.0	297.62	254.25	228.32	198.80	168.25	146.57	135.18	134.03	119.15	127.34	145.89	192.98
$\gamma$ 28.0	260.99	220.84	196.35	169.46	143.91	125.85	116.12	115.16	101.47	108.62	123.58	163.80
$\gamma$ 29.0	226.69	190.00	167.82	143.56	122.83	108.16	99.88	98.89	86.80	92.60	104.75	137.67
$\gamma$ 30.0	194.70	161.94	142.27	121.62	104.62	93.01	85.90	84.92	74.17	78.83	88.31	115.23
$\gamma$ 31.0	165.50	137.10	120.22	102.80	89.22	79.95	74.20	72.70	63.07	66.92	73.57	96.09
$\gamma$ 32.0	138.52	114.91	100.88	86.28	75.84	68.52	63.81	62.45	53.31	56.51	61.27	79.28
$\gamma$ 33.0	114.25	95.34	83.99	72.30	64.13	58.61	54.86	53.59	44.99	47.65	50.97	64.70
$\gamma$ 34.0	93.73	78.66	69.61	60.62	54.26	50.06	46.93	45.83	37.93	39.97	42.42	53.09
$\gamma$ 35.0	75.71	64.55	57.47	50.72	45.69	42.52	40.35	39.29	31.66	33.54	35.17	43.18
$\gamma$ 36.0	61.34	52.86	47.60	42.32	38.40	36.30	34.44	33.70	26.27	27.87	28.55	34.81
$\gamma$ 37.0	49.05	42.86	38.94	35.28	32.06	30.76	29.31	28.25	21.53	22.70	22.89	27.44
$\gamma$ 38.0	39.14	34.71	31.78	29.15	26.73	26.10	24.78	23.76	17.49	18.49	18.48	21.48
$\gamma$ 39.0	31.30	28.34	26.44	24.47	22.73	22.60	21.40	20.47	14.27	15.40	15.59	17.00
$\gamma$ 40.0	25.47	23.69	22.60	21.33	20.18	20.13	19.05	18.14	12.30	13.04	13.34	14.25
$\gamma$ 41.0	21.58	20.84	20.00	19.26	18.41	18.33	17.41	16.61	11.03	11.34	11.72	12.30
$\gamma$ 42.0	19.53	19.06	18.59	18.07	17.29	17.29	16.58	15.92	10.11	10.32	10.51	11.37
$\gamma$ 43.0	18.10	17.82	17.33	16.83	16.48	16.45	15.66	15.40	9.19	9.66	9.62	10.50
$\gamma$ 44.0	17.15	16.71	16.31	16.13	15.61	15.81	15.36	14.72	8.45	8.85	9.09	9.66
$\gamma$ 45.0	16.26	15.83	15.68	15.67	15.07	15.04	14.69	14.04	8.09	8.16	8.35	9.02
$\gamma$ 46.0	15.77	15.15	15.17	14.87	14.48	14.47	14.18	13.52	7.27	7.64	7.64	8.23



# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.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 47.0	15.39	14.54	14.42	14.11	13.80	13.89	13.70	13.05	6.72	7.20	7.24	7.53
γ 48.0	14.81	14.16	13.99	13.71	13.26	13.39	12.90	12.59	6.24	6.79	6.52	7.11
γ 49.0	14.15	13.53	13.40	13.28	12.79	12.92	12.56	12.18	5.87	6.03	5.84	6.68
γ 50.0	13.41	12.90	12.81	12.58	12.30	12.45	12.07	11.61	5.09	5.15	5.34	5.98
γ 51.0	12.91	12.30	12.26	12.11	11.75	11.91	11.65	11.16	5.07	4.66	4.77	5.68
γ 52.0	12.37	11.73	11.51	11.76	11.47	11.39	11.08	10.76	4.23	4.29	4.40	5.31
γ 53.0	11.88	11.38	11.05	11.55	11.14	10.98	10.76	10.46	4.01	4.03	4.22	4.67
γ 54.0	11.49	10.99	10.54	11.06	10.55	10.59	10.53	10.24	4.00	3.88	4.00	4.31
γ 55.0	11.11	10.69	10.24	10.64	10.04	10.38	10.40	9.93	3.71	3.83	3.99	3.76
γ 56.0	10.86	10.49	10.15	10.24	9.82	10.25	10.02	9.68	3.47	3.82	3.71	3.71
γ 57.0	10.58	10.08	9.82	10.16	9.75	9.96	9.79	9.34	3.33	3.54	3.58	3.53
γ 58.0	10.32	9.83	9.61	9.97	9.58	9.80	9.45	9.19	3.47	3.38	3.44	3.51
γ 59.0	10.05	9.82	9.47	9.70	9.31	9.63	9.41	9.09	3.10	3.30	3.13	3.35
γ 60.0	9.82	9.54	9.31	9.47	9.18	9.41	9.22	8.86	3.07	3.16	2.98	3.16
γ 61.0	9.55	9.28	9.10	9.31	9.09	9.17	9.16	8.73	2.81	3.23	3.03	2.78
γ 62.0	9.20	9.13	8.75	8.86	8.79	9.02	9.06	8.65	2.91	3.05	2.67	2.79
γ 63.0	8.71	8.87	8.70	8.50	8.66	8.87	8.63	8.36	2.83	2.84	2.57	2.92
γ 64.0	8.81	8.60	8.30	8.49	8.38	8.40	7.97	7.99	2.55	2.69	2.44	2.74
γ 65.0	8.70	8.29	7.88	8.32	7.94	7.87	7.93	7.84	2.33	2.36	2.33	2.53
γ 66.0	8.37	8.02	7.67	8.02	7.78	7.65	7.56	7.55	2.41	2.36	2.29	2.61
γ 67.0	8.11	7.77	7.49	7.81	7.53	7.36	7.09	7.11	2.42	2.66	2.09	2.41
γ 68.0	7.84	7.36	7.13	7.61	7.32	7.22	6.94	6.78	2.53	2.66	2.19	2.13
γ 69.0	7.69	7.17	7.00	7.33	7.12	7.11	6.88	6.60	2.23	2.52	2.34	2.18
γ 70.0	7.43	7.14	6.97	7.08	6.79	6.93	6.77	6.37	2.41	2.27	2.42	2.26
γ 71.0	7.12	6.95	6.67	6.70	6.64	6.73	6.71	6.26	2.46	2.26	2.13	2.18
γ 72.0	7.30	6.57	6.41	6.55	6.55	6.64	6.23	6.28	2.21	2.30	2.30	2.05
γ 73.0	7.20	6.24	6.15	6.70	6.32	6.44	6.24	6.14	2.41	2.33	2.25	2.21
γ 74.0	6.94	6.19	6.08	6.58	6.32	6.34	6.08	6.01	2.57	2.41	2.31	2.34
γ 75.0	6.83	6.21	6.06	6.38	6.21	6.28	6.02	5.83	2.58	2.46	2.20	2.24
γ 76.0	6.67	6.01	6.27	6.19	5.91	6.02	6.21	5.87	2.63	2.41	2.34	2.20
γ 77.0	6.93	5.97	6.04	6.34	5.76	6.03	6.01	5.91	2.66	2.48	2.58	2.43
γ 78.0	6.90	5.96	5.98	6.10	5.69	5.92	5.82	5.80	2.78	2.64	2.79	2.40
γ 79.0	6.46	5.79	5.94	5.95	5.73	5.82	5.84	5.61	2.72	2.73	2.63	2.55
γ 80.0	6.32	5.81	5.76	5.99	5.64	5.91	5.71	5.38	2.77	2.79	2.65	2.48
γ 81.0	6.17	5.72	5.60	5.70	5.45	5.78	5.78	5.40	2.67	2.74	2.50	2.58
γ 82.0	5.74	5.73	5.56	5.61	5.41	5.48	5.38	5.39	2.91	2.85	2.64	2.60
γ 83.0	5.38	5.58	5.76	5.26	5.18	5.49	5.40	5.24	2.88	3.00	2.72	2.71
γ 84.0	5.45	5.45	5.51	5.22	5.01	5.35	5.14	4.90	2.98	3.03	2.90	2.83
γ 85.0	5.35	5.37	5.49	5.23	5.11	5.07	5.26	4.91	3.09	2.94	2.96	2.95
γ 86.0	5.37	5.09	5.37	5.22	5.09	5.16	5.17	4.89	3.18	2.90	2.83	3.05
γ 87.0	5.07	5.13	5.20	5.12	5.01	5.09	5.13	4.75	3.10	2.96	3.09	2.86
γ 88.0	5.28	5.24	5.12	4.84	4.84	5.07	4.96	4.71	3.04	2.95	2.92	2.98
γ 89.0	5.24	5.21	5.14	4.87	4.84	5.05	4.82	4.64	3.44	3.11	3.02	3.03
γ 90.0	5.58	5.22	4.84	4.70	4.82	4.86	4.86	4.74	3.14	3.04	3.10	2.96
γ 91.0	5.21	4.95	4.87	4.73	4.72	4.68	4.68	4.74	3.46	3.14	3.14	3.06
γ 92.0	4.98	4.92	4.66	4.81	4.68	4.61	4.59	4.59	3.46	3.32	3.11	3.10
γ 93.0	4.74	4.88	4.47	4.66	4.65	4.52	4.85	4.63	3.37	3.35	3.11	3.29

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# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.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 94.0	4.79	4.75	4.48	4.57	4.49	4.51	4.77	4.53	3.37	3.26	3.05	3.11
γ 95.0	4.61	4.73	4.60	4.47	4.60	4.64	4.86	4.31	3.37	3.22	3.35	3.29
γ 96.0	4.48	4.52	4.51	4.34	4.49	4.66	4.34	4.33	3.19	3.18	3.24	3.41
γ 97.0	4.57	4.41	4.43	4.25	4.28	4.44	4.49	4.42	3.29	3.23	3.32	3.05
γ 98.0	4.69	4.54	4.15	4.40	4.24	4.43	4.47	4.33	3.07	3.53	3.31	3.02
γ 99.0	4.51	4.58	4.16	4.44	4.28	4.41	4.23	4.23	3.51	3.50	3.35	3.16
γ 100.0	4.55	4.55	4.24	4.49	4.20	4.09	4.16	4.08	3.24	3.28	3.47	3.10
γ 101.0	4.48	4.28	4.09	4.15	4.04	4.13	4.50	3.92	3.28	3.15	3.37	2.99
γ 102.0	4.55	4.28	4.33	4.14	3.95	4.13	4.61	3.86	3.28	3.15	3.33	3.02
γ 103.0	4.69	4.10	4.16	4.06	4.07	4.10	4.33	3.94	3.13	2.99	3.38	3.18
γ 104.0	4.45	4.01	4.07	3.99	4.15	3.99	4.16	3.88	3.41	2.90	3.35	3.56
γ 105.0	4.38	4.02	4.01	4.10	4.15	4.01	4.16	3.86	3.30	2.86	3.36	3.44
γ 106.0	4.25	3.83	4.03	3.94	4.05	3.85	4.25	3.87	3.36	2.91	3.40	3.24
γ 107.0	4.33	3.76	4.22	3.98	4.00	3.85	4.37	3.92	3.40	3.18	3.57	3.28
γ 108.0	4.03	3.66	4.29	4.17	4.04	4.05	4.34	4.00	3.45	2.89	3.57	3.21
γ 109.0	4.00	3.73	4.11	3.96	4.08	4.04	3.97	4.08	3.09	2.86	3.37	3.51
γ 110.0	3.94	3.77	3.89	3.55	3.99	4.07	3.93	3.80	3.36	3.21	3.54	3.44
γ 111.0	4.00	3.57	3.98	3.68	3.93	4.14	3.96	3.71	3.48	3.17	3.43	3.28
γ 112.0	4.12	3.55	3.86	3.73	3.82	3.99	4.21	3.70	3.57	3.01	3.43	3.31
γ 113.0	3.91	3.62	3.75	3.67	3.70	3.90	3.81	3.65	3.20	2.95	3.50	3.45
γ 114.0	3.86	3.68	3.92	3.63	3.78	3.99	3.92	3.79	3.59	3.04	3.34	3.46
γ 115.0	4.09	3.68	3.95	3.41	3.92	3.96	3.94	3.84	3.52	3.22	3.26	3.28
γ 116.0	3.86	3.61	3.61	3.62	3.82	3.83	3.96	3.78	3.31	3.10	3.42	3.49
γ 117.0	3.81	3.61	3.70	3.59	3.76	3.69	3.81	3.79	3.39	3.00	3.37	3.49
γ 118.0	3.90	3.69	3.63	3.72	3.71	3.75	4.04	3.66	3.33	3.08	3.58	3.27
γ 119.0	3.91	3.58	3.54	3.50	3.69	3.84	4.01	3.67	3.36	3.07	3.31	3.29
γ 120.0	3.81	3.61	3.72	3.49	3.80	3.66	3.86	3.55	3.51	2.96	3.55	3.41
γ 121.0	3.79	3.60	3.61	3.40	3.89	3.47	3.87	3.49	3.40	2.90	3.53	3.51
γ 122.0	3.66	3.49	3.68	3.43	3.77	3.47	3.78	3.68	3.15	3.01	3.49	3.43
γ 123.0	3.84	3.32	3.69	3.49	3.80	3.53	3.77	3.77	3.42	3.01	3.45	3.42
γ 124.0	3.80	3.38	3.64	3.54	3.79	3.68	3.78	3.62	3.39	2.96	3.45	3.34
γ 125.0	3.89	3.36	3.60	3.64	3.71	3.63	3.71	3.50	3.56	3.04	3.58	3.24
γ 126.0	3.80	3.36	3.42	3.50	3.70	3.66	3.85	3.62	3.35	3.21	3.63	3.64
γ 127.0	3.52	3.35	3.29	3.62	3.56	3.68	3.76	3.63	3.63	3.19	3.40	3.65
γ 128.0	3.68	3.38	3.51	3.62	3.52	3.77	4.01	3.48	3.83	3.07	3.49	3.36
γ 129.0	3.71	3.52	3.63	3.57	3.60	3.72	3.93	3.59	3.53	3.07	3.38	3.34
γ 130.0	3.77	3.58	3.54	3.36	3.60	3.75	4.09	3.65	3.56	3.04	3.53	3.34
γ 131.0	3.78	3.52	3.57	3.17	3.66	3.74	3.80	3.50	3.44	3.18	3.18	3.63
γ 132.0	3.80	3.43	3.37	3.33	3.61	3.87	4.01	3.53	3.54	3.38	3.22	3.63
γ 133.0	3.39	3.47	3.43	3.30	3.49	3.82	3.99	3.47	3.67	3.19	3.40	3.62
γ 134.0	3.66	3.42	3.52	3.28	3.63	3.53	3.92	3.50	3.56	3.13	3.36	3.50
γ 135.0	3.69	3.45	3.34	3.17	3.57	3.55	4.00	3.60	3.64	3.16	3.35	3.60
γ 136.0	3.61	3.36	3.47	3.37	3.61	3.63	4.01	3.51	3.73	3.22	3.44	3.61
γ 137.0	3.80	3.40	3.60	3.38	3.77	3.74	3.97	3.65	3.78	3.23	3.42	3.76
γ 138.0	3.68	3.45	3.55	3.49	3.80	3.85	3.90	3.73	3.75	3.35	3.51	3.80
γ 139.0	3.67	3.49	3.57	3.53	3.88	3.87	3.92	3.74	3.81	3.33	3.66	3.54
γ 140.0	3.85	3.59	3.69	3.68	3.90	3.86	4.17	3.86	3.85	3.37	3.83	3.78

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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 141.0	3.67	3.64	3.73	3.51	3.85	3.76	4.05	3.85	3.95	3.33	4.01	3.76
γ 142.0	3.91	3.61	3.74	3.74	3.91	3.71	4.08	3.97	3.99	3.25	3.99	3.81
γ 143.0	3.85	3.59	3.67	3.57	4.11	3.86	4.04	4.07	4.15	3.27	4.07	3.84
γ 144.0	3.88	3.61	3.88	3.77	4.16	4.04	4.12	4.11	4.15	3.57	3.79	4.02
γ 145.0	3.86	3.68	3.92	3.70	4.17	4.04	4.03	4.09	4.14	3.62	3.76	4.13
γ 146.0	3.95	3.68	3.74	3.76	4.14	4.18	4.25	4.07	4.37	3.69	4.18	3.97
γ 147.0	4.09	3.67	3.88	3.78	4.31	4.32	4.30	3.94	4.30	3.76	4.05	4.11
γ 148.0	4.16	3.77	4.04	3.91	4.30	4.31	4.52	4.02	4.31	3.85	4.25	3.96
γ 149.0	4.16	3.94	4.04	3.86	4.22	4.35	4.39	4.28	4.29	3.95	4.40	4.18
γ 150.0	4.25	3.88	3.92	3.88	4.39	4.51	4.49	4.41	4.55	3.95	4.47	4.26
γ 151.0	4.32	3.97	4.07	4.10	4.56	4.68	4.69	4.38	4.55	3.86	4.40	4.46
γ 152.0	4.56	4.04	4.30	4.08	4.59	4.79	4.65	4.49	4.63	4.03	4.36	4.38
γ 153.0	4.52	4.00	4.37	4.30	4.76	4.86	4.69	4.76	4.63	4.07	4.65	4.51
γ 154.0	4.78	4.25	4.33	4.36	4.89	4.84	4.54	4.75	4.82	4.10	4.82	4.75
γ 155.0	4.73	4.67	4.53	4.43	4.92	5.00	4.95	4.69	4.76	4.11	4.75	4.89
γ 156.0	4.89	4.57	4.43	4.70	4.94	5.05	4.99	4.85	5.10	4.38	4.83	4.91
γ 157.0	4.89	4.53	4.46	4.72	5.04	5.20	5.32	4.91	5.20	4.66	4.89	4.80
γ 158.0	5.15	4.56	4.67	4.66	5.21	5.44	5.36	4.84	5.06	4.71	4.92	4.97
γ 159.0	5.23	4.52	4.76	4.76	5.28	5.62	5.12	5.00	5.18	4.90	4.91	4.82
γ 160.0	5.20	4.54	4.76	4.78	5.27	5.40	5.04	4.92	4.89	4.85	5.07	5.02
γ 161.0	5.32	4.70	4.86	4.88	5.51	5.33	5.31	5.08	5.24	4.81	5.19	4.97
γ 162.0	5.20	4.91	4.93	4.91	6.21	5.44	5.37	5.24	5.26	4.96	5.27	5.07
γ 163.0	5.40	4.99	5.05	5.06	6.46	5.61	5.43	5.42	5.38	4.99	5.14	5.09
γ 164.0	5.36	5.06	5.22	5.24	5.92	5.57	5.68	5.63	5.19	5.12	5.08	5.12
γ 165.0	5.37	5.03	5.07	5.30	5.51	5.61	5.87	5.45	5.32	5.28	5.00	5.16
γ 166.0	5.78	4.98	5.17	5.18	5.55	5.82	5.41	5.53	5.28	5.09	5.14	5.28
γ 167.0	5.66	4.94	5.32	5.11	5.53	5.73	5.32	5.57	5.36	4.87	5.15	5.25
γ 168.0	5.57	5.10	5.27	5.03	5.51	5.74	5.81	5.57	5.46	5.11	5.16	5.28
γ 169.0	5.69	5.23	5.12	5.09	5.66	5.77	5.59	5.70	5.57	5.20	5.31	4.98
γ 170.0	5.53	5.11	5.14	5.15	5.43	5.87	5.70	5.59	5.39	5.16	5.28	5.05
γ 171.0	5.43	5.07	5.12	5.13	5.35	5.80	5.62	5.64	5.53	5.03	5.32	5.29
γ 172.0	5.52	5.07	5.49	5.16	5.50	5.78	5.53	5.62	5.55	5.08	5.28	5.19
γ 173.0	5.58	5.17	5.70	5.16	5.36	5.79	5.71	5.61	5.58	5.09	5.49	5.30
γ 174.0	5.69	5.20	5.38	5.35	5.45	5.59	5.82	5.48	5.45	4.98	5.35	5.38
γ 175.0	5.61	5.07	5.33	5.45	5.34	5.51	5.72	5.45	5.56	5.12	5.28	5.36
γ 176.0	5.66	5.13	5.38	5.41	5.44	5.61	5.65	5.56	5.53	5.21	5.46	5.23
γ 177.0	5.70	5.11	5.60	5.26	5.57	5.53	5.59	5.68	5.71	5.20	5.54	5.34
γ 178.0	5.68	5.08	5.43	5.48	5.64	5.49	5.69	5.56	5.47	5.20	5.42	5.39
γ 179.0	5.51	5.21	5.30	5.67	5.53	5.41	5.55	5.35	5.43	5.20	5.63	5.34
γ 180.0	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
V/H	C270.0	C292.5	C315.0	C337.5								
γ 0.0	2338.07	2338.07	2338.07	2338.07								
γ 1.0	2335.12	2342.05	2347.75	2345.31								
γ 2.0	2317.64	2329.01	2335.44	2333.60								
γ 3.0	2286.02	2301.65	2309.89	2306.62								
γ 4.0	2236.60	2256.41	2266.43	2260.96								
γ 5.0	2171.43	2195.38	2206.44	2200.38								

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 6. 0	2093. 10	2121. 57	2134. 36	2127. 37
$\gamma$ 7. 0	2001. 79	2034. 01	2048. 19	2039. 96
$\gamma$ 8. 0	1900. 10	1935. 07	1949. 15	1941. 33
$\gamma$ 9. 0	1789. 83	1827. 39	1843. 53	1834. 03
$\gamma$ 10. 0	1672. 94	1712. 71	1729. 81	1720. 03
$\gamma$ 11. 0	1552. 20	1593. 41	1611. 56	1602. 04
$\gamma$ 12. 0	1428. 98	1470. 55	1488. 91	1479. 93
$\gamma$ 13. 0	1305. 41	1347. 37	1366. 40	1356. 29
$\gamma$ 14. 0	1183. 80	1225. 37	1243. 88	1233. 57
$\gamma$ 15. 0	1066. 98	1107. 89	1124. 24	1114. 33
$\gamma$ 16. 0	957. 26	996. 85	1011. 38	1000. 25
$\gamma$ 17. 0	857. 64	894. 94	907. 38	893. 99
$\gamma$ 18. 0	767. 11	803. 50	813. 01	798. 45
$\gamma$ 19. 0	686. 40	720. 91	728. 04	713. 19
$\gamma$ 20. 0	613. 85	646. 65	652. 30	637. 85
$\gamma$ 21. 0	547. 38	578. 48	583. 92	571. 83
$\gamma$ 22. 0	485. 75	515. 16	521. 22	512. 11
$\gamma$ 23. 0	428. 24	456. 31	463. 20	457. 14
$\gamma$ 24. 0	374. 09	401. 76	408. 95	406. 35
$\gamma$ 25. 0	324. 63	351. 87	359. 73	359. 72
$\gamma$ 26. 0	280. 83	306. 96	314. 31	316. 70
$\gamma$ 27. 0	241. 33	265. 94	273. 54	276. 93
$\gamma$ 28. 0	205. 84	228. 06	235. 83	239. 16
$\gamma$ 29. 0	174. 10	193. 53	200. 88	204. 00
$\gamma$ 30. 0	145. 87	162. 36	169. 27	171. 88
$\gamma$ 31. 0	120. 65	134. 17	140. 12	142. 56
$\gamma$ 32. 0	98. 80	109. 32	114. 49	116. 56
$\gamma$ 33. 0	80. 11	87. 96	92. 43	93. 79
$\gamma$ 34. 0	64. 33	70. 00	73. 47	74. 51
$\gamma$ 35. 0	51. 27	55. 16	57. 70	58. 48
$\gamma$ 36. 0	40. 50	42. 85	44. 90	45. 14
$\gamma$ 37. 0	31. 23	32. 76	34. 27	34. 24
$\gamma$ 38. 0	23. 87	24. 60	25. 65	25. 45
$\gamma$ 39. 0	18. 35	18. 95	19. 44	19. 14
$\gamma$ 40. 0	14. 83	15. 41	15. 78	15. 50
$\gamma$ 41. 0	13. 03	13. 27	13. 73	13. 56
$\gamma$ 42. 0	11. 85	12. 24	12. 75	12. 38
$\gamma$ 43. 0	10. 93	11. 41	11. 77	11. 42
$\gamma$ 44. 0	10. 25	10. 42	10. 72	10. 42
$\gamma$ 45. 0	9. 48	9. 66	9. 86	9. 73
$\gamma$ 46. 0	8. 67	9. 14	9. 28	9. 08
$\gamma$ 47. 0	8. 32	8. 42	8. 84	8. 51
$\gamma$ 48. 0	7. 86	7. 80	8. 24	7. 86
$\gamma$ 49. 0	7. 07	7. 32	7. 70	7. 38
$\gamma$ 50. 0	6. 62	6. 74	6. 90	6. 74
$\gamma$ 51. 0	6. 01	6. 14	6. 21	5. 97
$\gamma$ 52. 0	5. 28	5. 54	5. 62	5. 34

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 53. 0	4. 92	4. 84	4. 99	5. 13
$\gamma$ 54. 0	4. 54	4. 46	4. 90	4. 81
$\gamma$ 55. 0	4. 33	4. 23	4. 66	4. 25
$\gamma$ 56. 0	4. 24	4. 21	4. 43	3. 92
$\gamma$ 57. 0	3. 96	4. 03	4. 31	3. 84
$\gamma$ 58. 0	3. 84	3. 82	4. 04	3. 69
$\gamma$ 59. 0	3. 83	3. 62	3. 90	3. 49
$\gamma$ 60. 0	3. 61	3. 52	3. 81	3. 36
$\gamma$ 61. 0	3. 49	3. 38	3. 58	3. 16
$\gamma$ 62. 0	3. 27	3. 44	3. 39	3. 03
$\gamma$ 63. 0	3. 21	3. 41	3. 21	2. 91
$\gamma$ 64. 0	3. 01	3. 09	2. 96	2. 71
$\gamma$ 65. 0	2. 77	2. 68	2. 86	2. 61
$\gamma$ 66. 0	2. 76	2. 55	2. 77	2. 55
$\gamma$ 67. 0	2. 80	2. 58	2. 60	2. 42
$\gamma$ 68. 0	2. 64	2. 64	2. 50	2. 32
$\gamma$ 69. 0	2. 44	2. 46	2. 65	2. 23
$\gamma$ 70. 0	2. 60	2. 36	2. 58	2. 22
$\gamma$ 71. 0	2. 56	2. 46	2. 59	2. 23
$\gamma$ 72. 0	2. 46	2. 38	2. 48	2. 29
$\gamma$ 73. 0	2. 54	2. 29	2. 55	2. 23
$\gamma$ 74. 0	2. 63	2. 39	2. 52	2. 31
$\gamma$ 75. 0	2. 60	2. 42	2. 35	2. 30
$\gamma$ 76. 0	2. 34	2. 36	2. 39	2. 28
$\gamma$ 77. 0	2. 33	2. 34	2. 53	2. 26
$\gamma$ 78. 0	2. 34	2. 49	2. 77	2. 37
$\gamma$ 79. 0	2. 41	2. 50	2. 83	2. 32
$\gamma$ 80. 0	2. 63	2. 47	2. 84	2. 26
$\gamma$ 81. 0	2. 59	2. 57	3. 01	2. 35
$\gamma$ 82. 0	2. 48	2. 59	3. 02	2. 48
$\gamma$ 83. 0	2. 68	2. 64	3. 01	2. 49
$\gamma$ 84. 0	2. 67	2. 87	3. 16	2. 49
$\gamma$ 85. 0	2. 67	2. 87	3. 21	2. 51
$\gamma$ 86. 0	2. 92	2. 97	3. 16	2. 66
$\gamma$ 87. 0	2. 88	2. 87	3. 07	2. 76
$\gamma$ 88. 0	2. 68	2. 78	3. 34	2. 75
$\gamma$ 89. 0	2. 81	2. 92	3. 32	2. 64
$\gamma$ 90. 0	3. 02	2. 99	3. 37	2. 63
$\gamma$ 91. 0	3. 25	3. 01	3. 22	2. 73
$\gamma$ 92. 0	3. 23	3. 16	3. 30	2. 77
$\gamma$ 93. 0	3. 17	3. 25	3. 31	2. 71
$\gamma$ 94. 0	3. 16	3. 17	3. 37	2. 72
$\gamma$ 95. 0	3. 31	3. 18	3. 67	2. 80
$\gamma$ 96. 0	3. 29	3. 17	3. 73	2. 97
$\gamma$ 97. 0	3. 14	3. 15	3. 69	3. 13
$\gamma$ 98. 0	3. 23	3. 22	3. 58	3. 04
$\gamma$ 99. 0	3. 12	3. 15	3. 60	3. 04

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## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
$\gamma$ 100.0	3.15	3.24	3.55	2.98
$\gamma$ 101.0	3.28	3.22	3.46	2.91
$\gamma$ 102.0	3.46	3.34	3.33	2.93
$\gamma$ 103.0	3.55	3.48	3.37	3.09
$\gamma$ 104.0	3.56	3.57	3.34	3.19
$\gamma$ 105.0	3.63	3.55	3.47	3.10
$\gamma$ 106.0	3.57	3.42	3.64	2.94
$\gamma$ 107.0	3.49	3.18	3.73	3.16
$\gamma$ 108.0	3.51	3.21	3.56	3.33
$\gamma$ 109.0	3.53	3.27	3.67	3.19
$\gamma$ 110.0	3.51	3.44	3.40	3.30
$\gamma$ 111.0	3.56	3.47	3.70	3.22
$\gamma$ 112.0	3.48	3.36	3.56	3.19
$\gamma$ 113.0	3.52	3.40	3.61	3.16
$\gamma$ 114.0	3.51	3.36	3.58	3.10
$\gamma$ 115.0	3.37	3.29	3.39	3.25
$\gamma$ 116.0	3.56	3.39	3.50	3.34
$\gamma$ 117.0	3.88	3.53	3.82	3.40
$\gamma$ 118.0	3.86	3.43	3.80	3.36
$\gamma$ 119.0	3.65	3.41	3.77	3.56
$\gamma$ 120.0	3.67	3.51	3.78	3.83
$\gamma$ 121.0	3.67	3.49	3.89	3.97
$\gamma$ 122.0	3.62	3.48	3.60	3.86
$\gamma$ 123.0	3.49	3.49	3.76	3.81
$\gamma$ 124.0	3.56	3.49	3.73	3.95
$\gamma$ 125.0	3.69	3.57	3.67	4.00
$\gamma$ 126.0	3.74	3.58	3.69	4.01
$\gamma$ 127.0	3.59	3.53	3.82	3.83
$\gamma$ 128.0	3.52	3.44	3.64	3.75
$\gamma$ 129.0	3.67	3.47	3.60	3.63
$\gamma$ 130.0	3.51	3.65	3.50	3.63
$\gamma$ 131.0	3.48	3.69	3.63	3.57
$\gamma$ 132.0	3.44	3.67	3.70	3.60
$\gamma$ 133.0	3.54	3.75	3.93	3.70
$\gamma$ 134.0	3.58	3.85	3.90	3.71
$\gamma$ 135.0	3.42	3.96	3.84	3.63
$\gamma$ 136.0	3.47	3.85	3.85	3.81
$\gamma$ 137.0	3.63	3.66	3.95	3.79
$\gamma$ 138.0	3.76	3.58	3.82	3.69
$\gamma$ 139.0	3.82	3.64	3.76	3.74
$\gamma$ 140.0	3.74	3.66	3.91	3.88
$\gamma$ 141.0	3.79	3.79	4.01	3.91
$\gamma$ 142.0	3.94	3.93	4.08	3.99
$\gamma$ 143.0	3.82	4.01	4.21	4.09
$\gamma$ 144.0	3.86	3.94	4.22	4.01
$\gamma$ 145.0	3.96	3.87	4.05	3.87
$\gamma$ 146.0	3.97	3.97	4.04	3.98

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# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-24D 300.IES

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
γ 147. 0	4. 15	3. 99	4. 03	3. 99
γ 148. 0	4. 38	4. 06	4. 20	4. 05
γ 149. 0	4. 43	4. 44	4. 24	4. 23
γ 150. 0	4. 24	4. 75	4. 09	4. 26
γ 151. 0	4. 22	5. 03	4. 57	4. 23
γ 152. 0	4. 46	5. 33	4. 62	4. 32
γ 153. 0	4. 61	5. 59	4. 47	4. 38
γ 154. 0	4. 84	5. 81	4. 49	4. 59
γ 155. 0	5. 12	6. 10	4. 54	4. 72
γ 156. 0	5. 18	6. 08	4. 95	4. 76
γ 157. 0	5. 02	5. 86	4. 77	4. 74
γ 158. 0	4. 88	5. 55	5. 02	4. 71
γ 159. 0	5. 17	5. 23	5. 02	4. 75
γ 160. 0	5. 63	4. 94	4. 86	4. 82
γ 161. 0	6. 16	4. 96	4. 88	5. 03
γ 162. 0	6. 38	5. 08	4. 99	4. 96
γ 163. 0	6. 01	5. 10	4. 94	5. 06
γ 164. 0	5. 21	5. 11	4. 97	5. 31
γ 165. 0	5. 02	5. 00	5. 04	5. 25
γ 166. 0	5. 11	5. 01	5. 13	5. 20
γ 167. 0	5. 32	5. 11	5. 22	5. 24
γ 168. 0	5. 41	5. 16	5. 35	5. 20
γ 169. 0	5. 34	5. 11	5. 33	5. 43
γ 170. 0	5. 41	5. 09	5. 54	5. 36
γ 171. 0	5. 57	5. 20	5. 34	5. 35
γ 172. 0	5. 47	5. 23	5. 35	5. 44
γ 173. 0	5. 37	5. 21	5. 41	5. 55
γ 174. 0	5. 52	5. 42	5. 49	5. 59
γ 175. 0	5. 42	5. 68	5. 41	5. 50
γ 176. 0	5. 45	5. 67	5. 37	5. 36
γ 177. 0	5. 45	5. 58	5. 52	5. 40
γ 178. 0	5. 39	5. 43	5. 48	5. 48
γ 179. 0	5. 48	5. 41	5. 78	5. 51
γ 180. 0	5. 50	5. 50	5. 50	5. 50

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