

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES

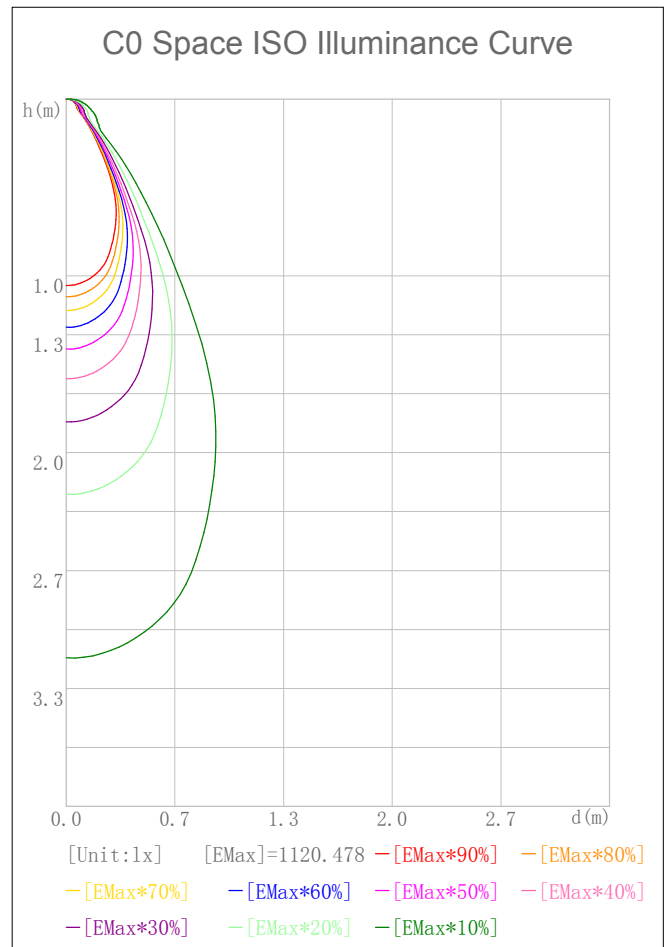
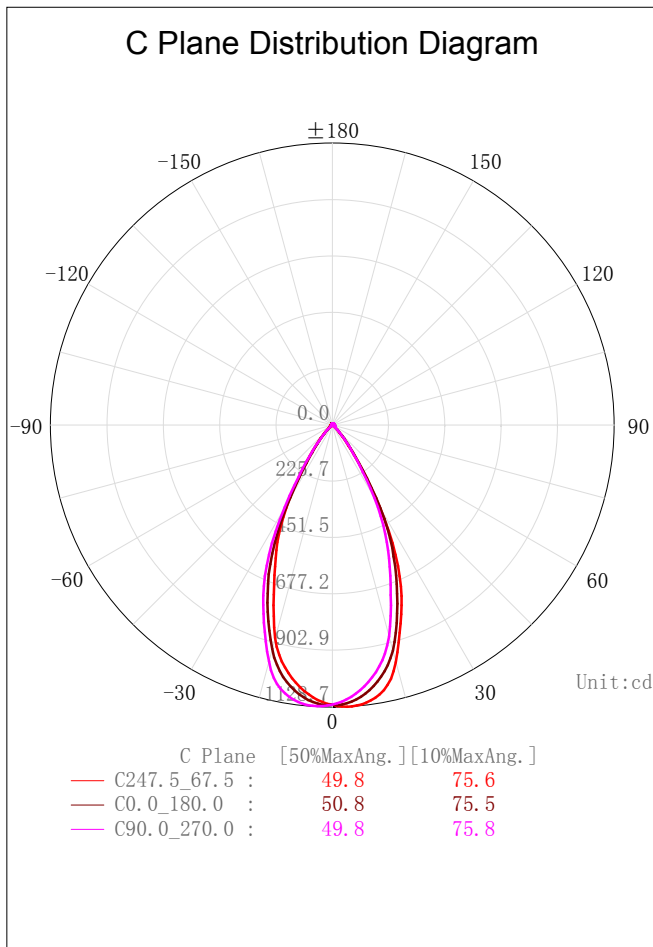
## Indoor Luminaire Photometric Data

### Description Information

Luminaire Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Date: 2023/07/15
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 (m <sup>2</sup> ): 0.003	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=22.5 γ=1.0	Temp. (°C): 25
		Humidity (%): 50.0

### Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 805.000	Luminaire Flux(lm): 805.307	Field Angle(10%Imax): 75.6(°)	
Rated Power(W): 12	Luminaire Efficiency: 100.04%	Down Lumens&Percent: 780.021lm 96.86%	
Rated Voltage(V): 220	Luminaire EER(lm/W): 68.189	Up Lumens&Percent: 25.287lm 3.14%	
Tested Power(W): 11.810	Max. Candela(cd): 1128.679	S/MH: C0_a180=0.796 C90_270=0.785	
Lamps' Inside: 1	Max Cand@Ang. (°): C=247.5 γ=3.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 220.6, 0.096, 0.556	Beam Angle(50%Imax): 49.8(°)	ErP Φ use(90°): 749.934lm	
Lamp Size(W*L*H): 0.066m*0.066m*0.000m	Left=-23.5°, Right=26.3°	IRF (%): 308.751	



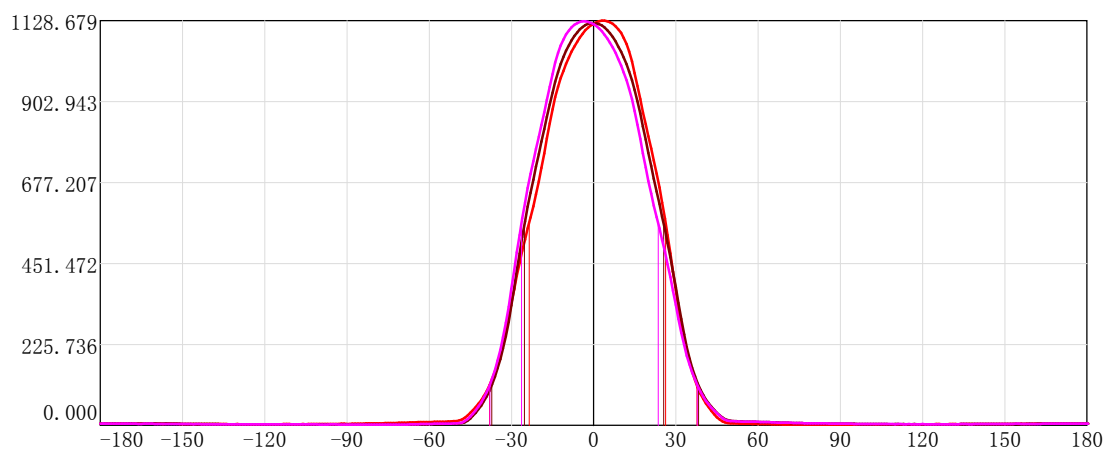
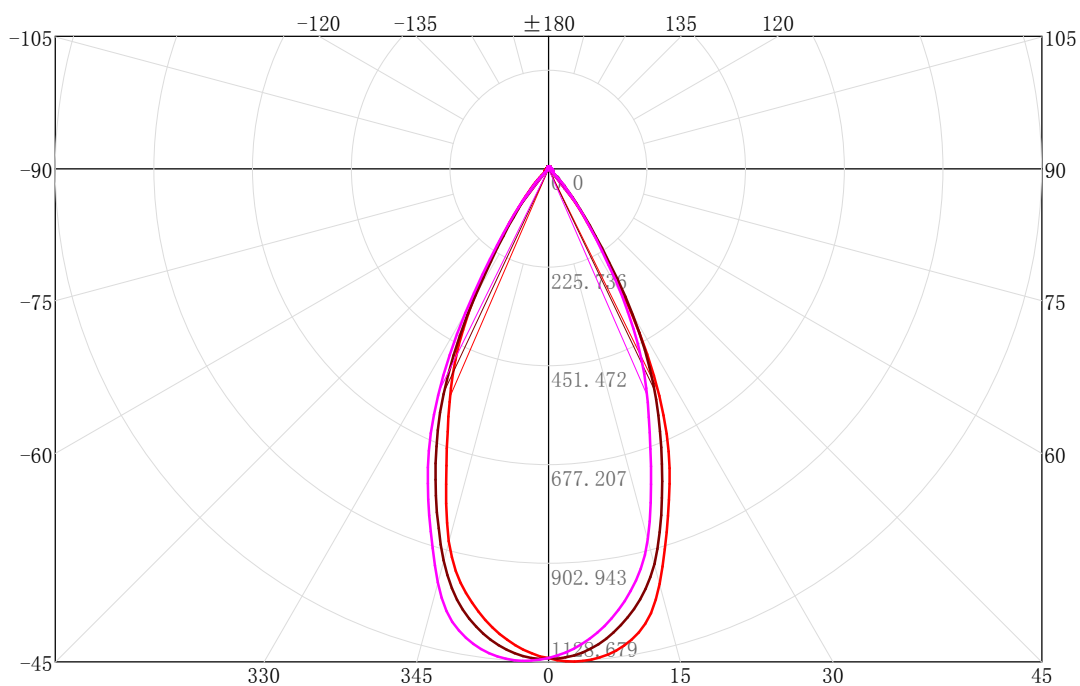
# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES

## 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: 2023/07/15

C Plane Distribution Diagram



	C Plane	[50%MaxAng. ]	[10%MaxAng. ]	Unit:cd
— (Red)	C247.5_67.5 :	49.8	75.6	
— (Brown)	C0.0_180.0 :	50.8	75.5	
— (Magenta)	C90.0_270.0 :	49.8	75.8	

**IES Indoor Report**

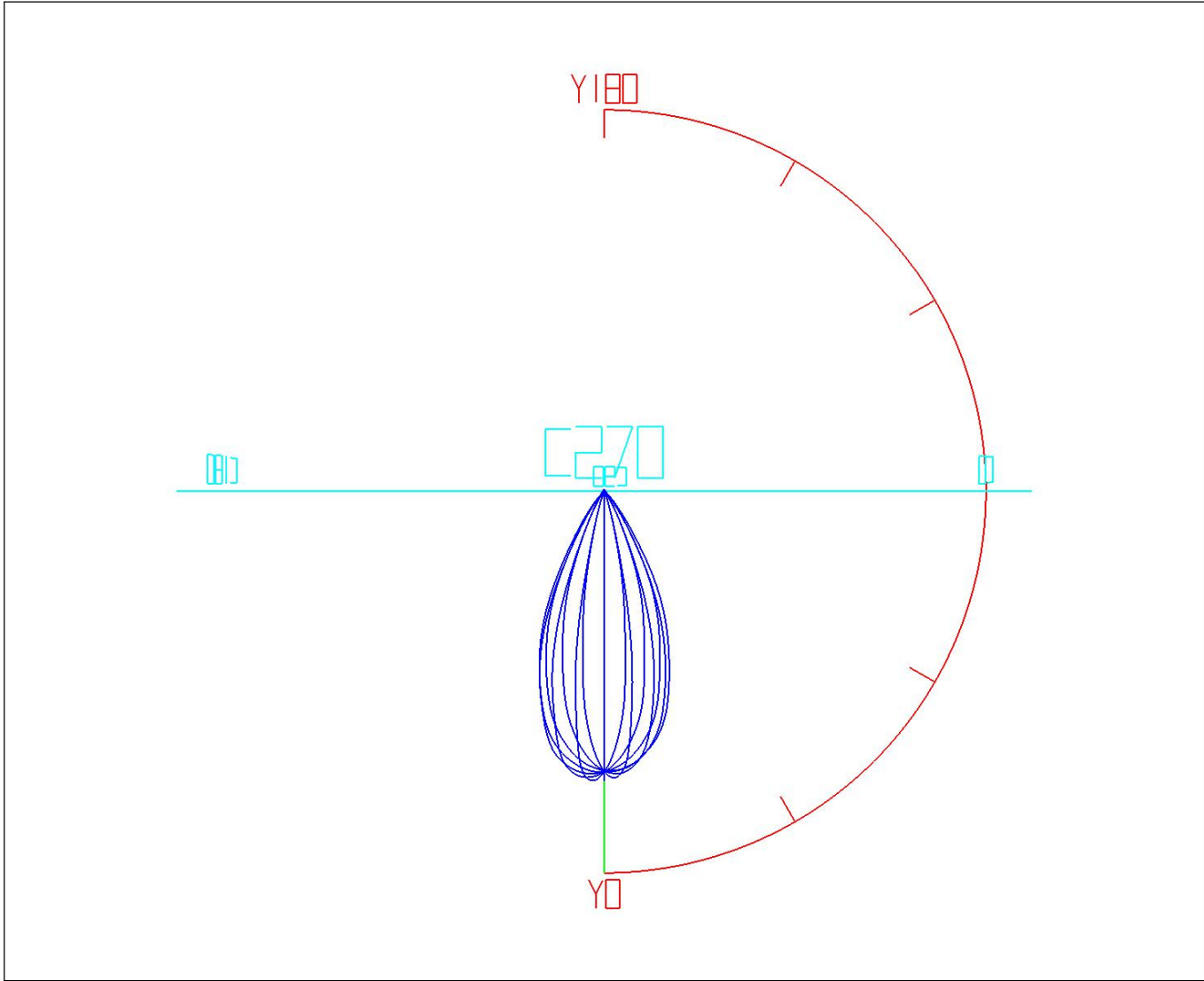
**Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES**

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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: 2023/07/15

**3D Light Intensity Distribution Modal**



Curves: 3D Model ——— Fixture ——— Vert. 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	1.07	1.07	0.13	0.13	47.0-48.0	1.16	754.93	0.14	93.78
1.0-2.0	3.21	4.28	0.40	0.53	48.0-49.0	0.93	755.87	0.12	93.90
2.0-3.0	5.33	9.61	0.66	1.19	49.0-50.0	0.83	756.69	0.10	94.00
3.0-4.0	7.43	17.04	0.92	2.12	50.0-51.0	0.79	757.48	0.10	94.10
4.0-5.0	9.50	26.55	1.18	3.30	51.0-52.0	0.77	758.25	0.10	94.19
5.0-6.0	11.53	38.08	1.43	4.73	52.0-53.0	0.75	759.00	0.09	94.29
6.0-7.0	13.51	51.58	1.68	6.41	53.0-54.0	0.74	759.74	0.09	94.38
7.0-8.0	15.42	67.00	1.92	8.32	54.0-55.0	0.73	760.47	0.09	94.47
8.0-9.0	17.26	84.26	2.14	10.47	55.0-56.0	0.72	761.19	0.09	94.56
9.0-10.0	19.02	103.28	2.36	12.83	56.0-57.0	0.71	761.90	0.09	94.65
10.0-11.0	20.68	123.96	2.57	15.40	57.0-58.0	0.71	762.61	0.09	94.73
11.0-12.0	22.23	146.18	2.76	18.16	58.0-59.0	0.71	763.32	0.09	94.82
12.0-13.0	23.64	169.82	2.94	21.10	59.0-60.0	0.70	764.02	0.09	94.91
13.0-14.0	24.86	194.68	3.09	24.18	60.0-61.0	0.70	764.71	0.09	95.00
14.0-15.0	25.87	220.56	3.21	27.40	61.0-62.0	0.69	765.40	0.09	95.08
15.0-16.0	26.66	247.22	3.31	30.71	62.0-63.0	0.68	766.08	0.08	95.17
16.0-17.0	27.23	274.45	3.38	34.09	63.0-64.0	0.66	766.75	0.08	95.25
17.0-18.0	27.64	302.09	3.43	37.53	64.0-65.0	0.64	767.39	0.08	95.33
18.0-19.0	27.92	330.01	3.47	41.00	65.0-66.0	0.62	768.01	0.08	95.41
19.0-20.0	28.09	358.10	3.49	44.48	66.0-67.0	0.60	768.61	0.07	95.48
20.0-21.0	28.14	386.24	3.50	47.98	67.0-68.0	0.58	769.19	0.07	95.55
21.0-22.0	28.07	414.31	3.49	51.47	68.0-69.0	0.57	769.75	0.07	95.62
22.0-23.0	27.86	442.17	3.46	54.93	69.0-70.0	0.56	770.31	0.07	95.69
23.0-24.0	27.49	469.66	3.42	58.34	70.0-71.0	0.55	770.86	0.07	95.76
24.0-25.0	26.93	496.59	3.35	61.69	71.0-72.0	0.54	771.40	0.07	95.83
25.0-26.0	26.17	522.76	3.25	64.94	72.0-73.0	0.53	771.93	0.07	95.89
26.0-27.0	25.17	547.93	3.13	68.07	73.0-74.0	0.52	772.45	0.07	95.96
27.0-28.0	23.93	571.86	2.97	71.04	74.0-75.0	0.52	772.97	0.06	96.02
28.0-29.0	22.44	594.30	2.79	73.83	75.0-76.0	0.51	773.48	0.06	96.09
29.0-30.0	20.72	615.02	2.57	76.40	76.0-77.0	0.50	773.99	0.06	96.15
30.0-31.0	18.83	633.84	2.34	78.74	77.0-78.0	0.49	774.48	0.06	96.21
31.0-32.0	16.89	650.73	2.10	80.84	78.0-79.0	0.49	774.96	0.06	96.27
32.0-33.0	15.02	665.75	1.87	82.70	79.0-80.0	0.48	775.44	0.06	96.33
33.0-34.0	13.32	679.07	1.65	84.36	80.0-81.0	0.48	775.92	0.06	96.39
34.0-35.0	11.79	690.86	1.46	85.82	81.0-82.0	0.48	776.40	0.06	96.45
35.0-36.0	10.42	701.27	1.29	87.11	82.0-83.0	0.47	776.87	0.06	96.51
36.0-37.0	9.16	710.43	1.14	88.25	83.0-84.0	0.46	777.33	0.06	96.56
37.0-38.0	7.99	718.42	0.99	89.24	84.0-85.0	0.45	777.78	0.06	96.62
38.0-39.0	6.92	725.34	0.86	90.10	85.0-86.0	0.45	778.23	0.06	96.67
39.0-40.0	5.98	731.32	0.74	90.85	86.0-87.0	0.45	778.68	0.06	96.73
40.0-41.0	5.14	736.46	0.64	91.49	87.0-88.0	0.45	779.13	0.06	96.79
41.0-42.0	4.40	740.86	0.55	92.03	88.0-89.0	0.44	779.58	0.06	96.84
42.0-43.0	3.74	744.60	0.46	92.50	89.0-90.0	0.44	780.02	0.06	96.90
43.0-44.0	3.12	747.72	0.39	92.88	90.0-91.0	0.44	780.46	0.05	96.95
44.0-45.0	2.53	750.26	0.31	93.20	91.0-92.0	0.44	780.90	0.05	97.01
45.0-46.0	2.00	752.25	0.25	93.45	92.0-93.0	0.44	781.34	0.05	97.06
46.0-47.0	1.52	753.77	0.19	93.64	93.0-94.0	0.43	781.77	0.05	97.11

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## Zonal Flux Tabulation - (Cont.)

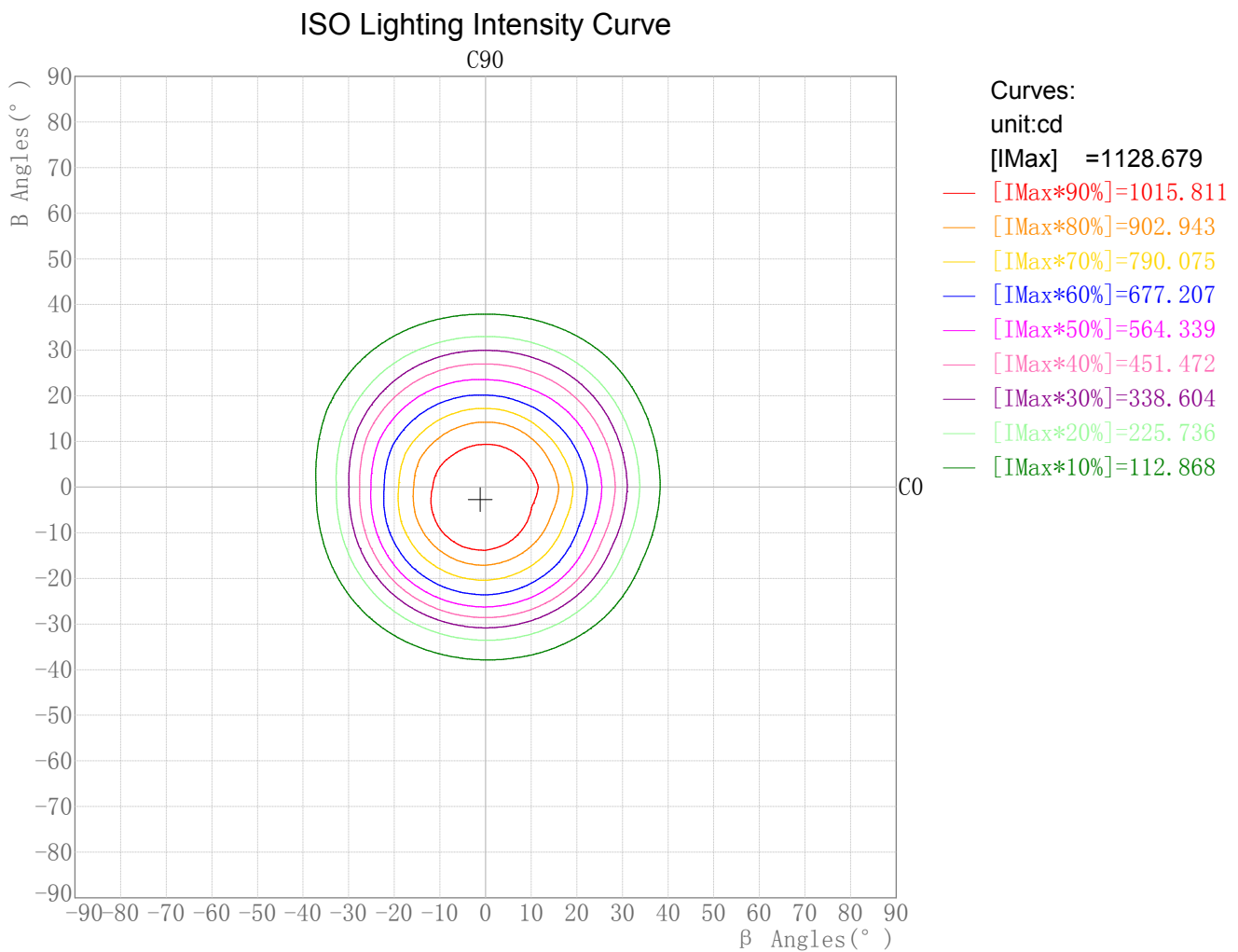
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.43	782.20	0.05	97.17	141.0-142.0	0.28	798.95	0.04	99.25
95.0-96.0	0.43	782.63	0.05	97.22	142.0-143.0	0.28	799.23	0.04	99.28
96.0-97.0	0.43	783.06	0.05	97.27	143.0-144.0	0.28	799.51	0.03	99.32
97.0-98.0	0.42	783.48	0.05	97.33	144.0-145.0	0.27	799.78	0.03	99.35
98.0-99.0	0.42	783.90	0.05	97.38	145.0-146.0	0.27	800.05	0.03	99.39
99.0-100.0	0.42	784.32	0.05	97.43	146.0-147.0	0.26	800.32	0.03	99.42
100.0-101.0	0.42	784.74	0.05	97.48	147.0-148.0	0.26	800.58	0.03	99.45
101.0-102.0	0.41	785.15	0.05	97.53	148.0-149.0	0.26	800.83	0.03	99.48
102.0-103.0	0.41	785.56	0.05	97.58	149.0-150.0	0.25	801.09	0.03	99.51
103.0-104.0	0.41	785.96	0.05	97.64	150.0-151.0	0.25	801.33	0.03	99.54
104.0-105.0	0.40	786.37	0.05	97.69	151.0-152.0	0.24	801.58	0.03	99.57
105.0-106.0	0.40	786.77	0.05	97.74	152.0-153.0	0.24	801.82	0.03	99.60
106.0-107.0	0.40	787.17	0.05	97.78	153.0-154.0	0.23	802.05	0.03	99.63
107.0-108.0	0.39	787.56	0.05	97.83	154.0-155.0	0.23	802.28	0.03	99.66
108.0-109.0	0.39	787.95	0.05	97.88	155.0-156.0	0.22	802.50	0.03	99.69
109.0-110.0	0.39	788.33	0.05	97.93	156.0-157.0	0.21	802.71	0.03	99.72
110.0-111.0	0.38	788.72	0.05	97.98	157.0-158.0	0.21	802.92	0.03	99.74
111.0-112.0	0.38	789.10	0.05	98.02	158.0-159.0	0.20	803.12	0.02	99.77
112.0-113.0	0.37	789.47	0.05	98.07	159.0-160.0	0.19	803.31	0.02	99.79
113.0-114.0	0.37	789.84	0.05	98.12	160.0-161.0	0.18	803.50	0.02	99.81
114.0-115.0	0.37	790.21	0.05	98.16	161.0-162.0	0.18	803.68	0.02	99.84
115.0-116.0	0.36	790.57	0.05	98.21	162.0-163.0	0.17	803.84	0.02	99.86
116.0-117.0	0.36	790.93	0.04	98.25	163.0-164.0	0.16	804.01	0.02	99.88
117.0-118.0	0.35	791.28	0.04	98.30	164.0-165.0	0.15	804.16	0.02	99.90
118.0-119.0	0.35	791.63	0.04	98.34	165.0-166.0	0.14	804.30	0.02	99.91
119.0-120.0	0.35	791.99	0.04	98.38	166.0-167.0	0.13	804.43	0.02	99.93
120.0-121.0	0.35	792.34	0.04	98.43	167.0-168.0	0.13	804.56	0.02	99.95
121.0-122.0	0.35	792.69	0.04	98.47	168.0-169.0	0.12	804.68	0.01	99.96
122.0-123.0	0.34	793.03	0.04	98.51	169.0-170.0	0.11	804.78	0.01	99.97
123.0-124.0	0.34	793.37	0.04	98.55	170.0-171.0	0.10	804.88	0.01	99.99
124.0-125.0	0.34	793.70	0.04	98.60	171.0-172.0	0.09	804.97	0.01	100.00
125.0-126.0	0.34	794.04	0.04	98.64	172.0-173.0	0.08	805.05	0.01	100.01
126.0-127.0	0.33	794.37	0.04	98.68	173.0-174.0	0.07	805.12	0.01	100.01
127.0-128.0	0.32	794.69	0.04	98.72	174.0-175.0	0.06	805.17	0.01	100.02
128.0-129.0	0.32	795.00	0.04	98.76	175.0-176.0	0.05	805.22	0.01	100.03
129.0-130.0	0.32	795.32	0.04	98.80	176.0-177.0	0.04	805.26	0.00	100.03
130.0-131.0	0.32	795.64	0.04	98.84	177.0-178.0	0.03	805.29	0.00	100.04
131.0-132.0	0.31	795.95	0.04	98.88	178.0-179.0	0.02	805.30	0.00	100.04
132.0-133.0	0.31	796.26	0.04	98.91	179.0-180.0	0.01	805.31	0.00	100.04
133.0-134.0	0.31	796.57	0.04	98.95					
134.0-135.0	0.31	796.88	0.04	98.99					
135.0-136.0	0.31	797.18	0.04	99.03					
136.0-137.0	0.30	797.49	0.04	99.07					
137.0-138.0	0.30	797.79	0.04	99.10					
138.0-139.0	0.30	798.08	0.04	99.14					
139.0-140.0	0.29	798.37	0.04	99.18					
140.0-141.0	0.29	798.66	0.04	99.21					

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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: 2023/07/15

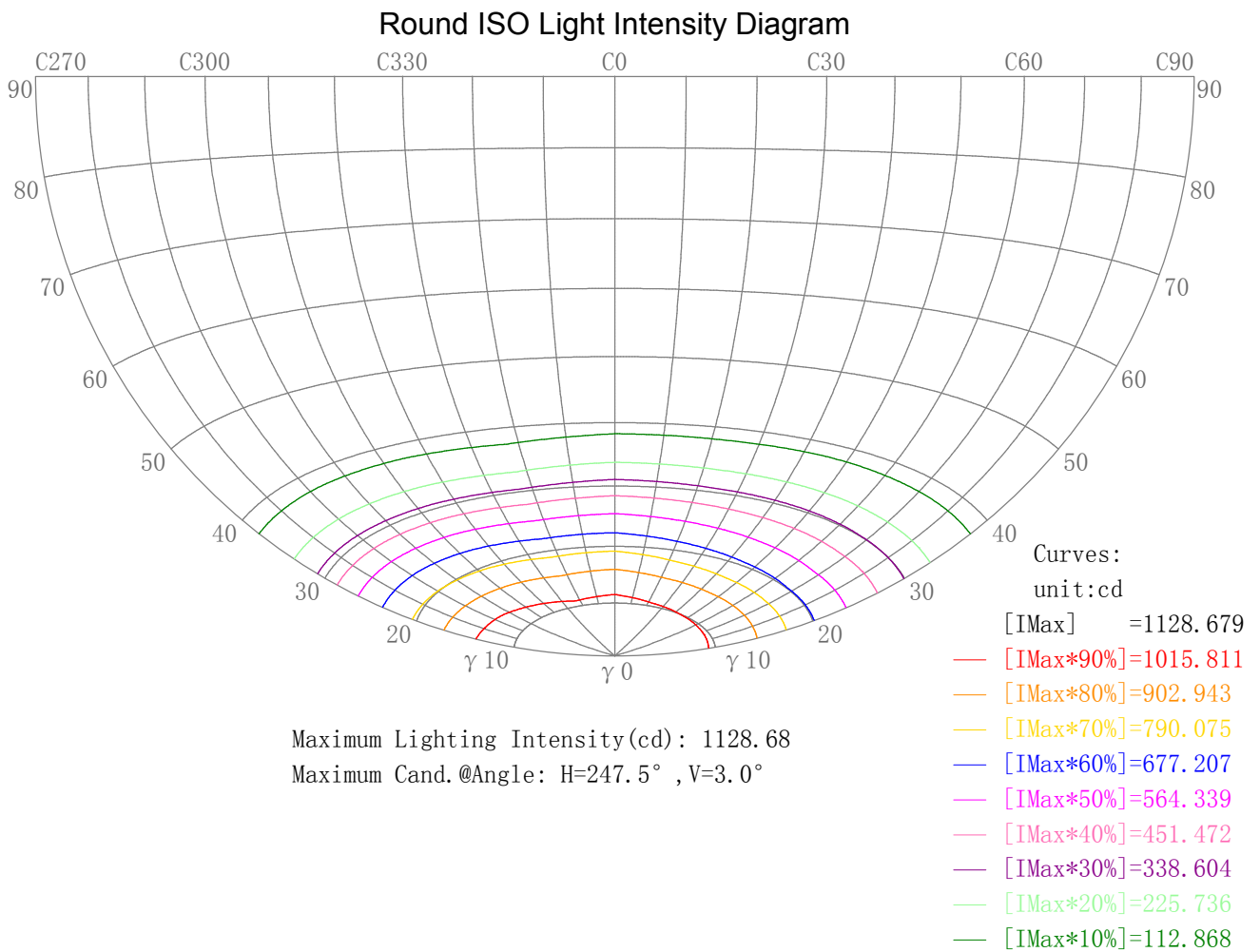


# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES

## 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: 2023/07/15



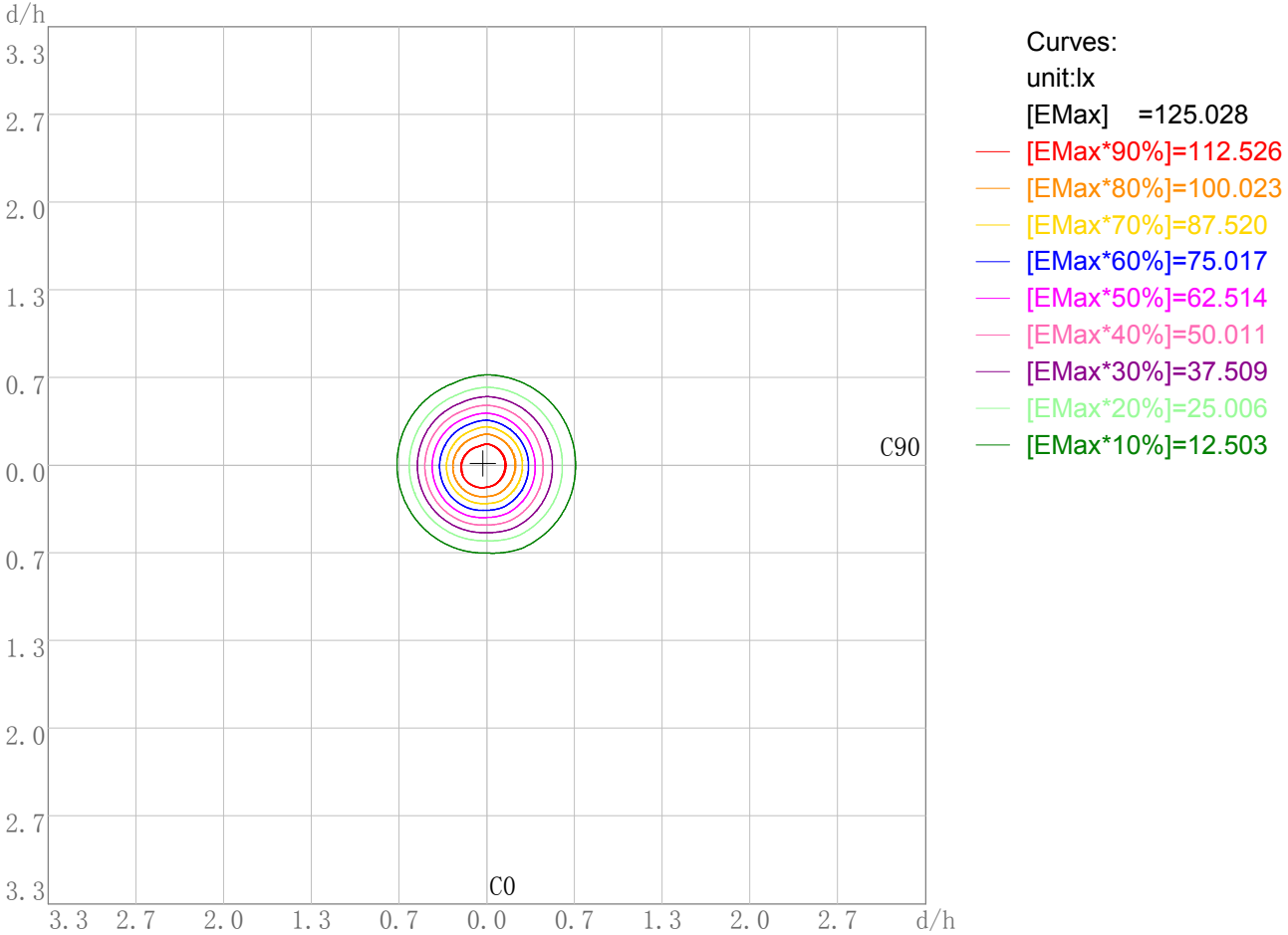
**IES Indoor Report**

**Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES**

**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: 2023/07/15

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 125.03  
 Working Plane Maximum Illuminance Position(d/h):H-0.0 V-0.0



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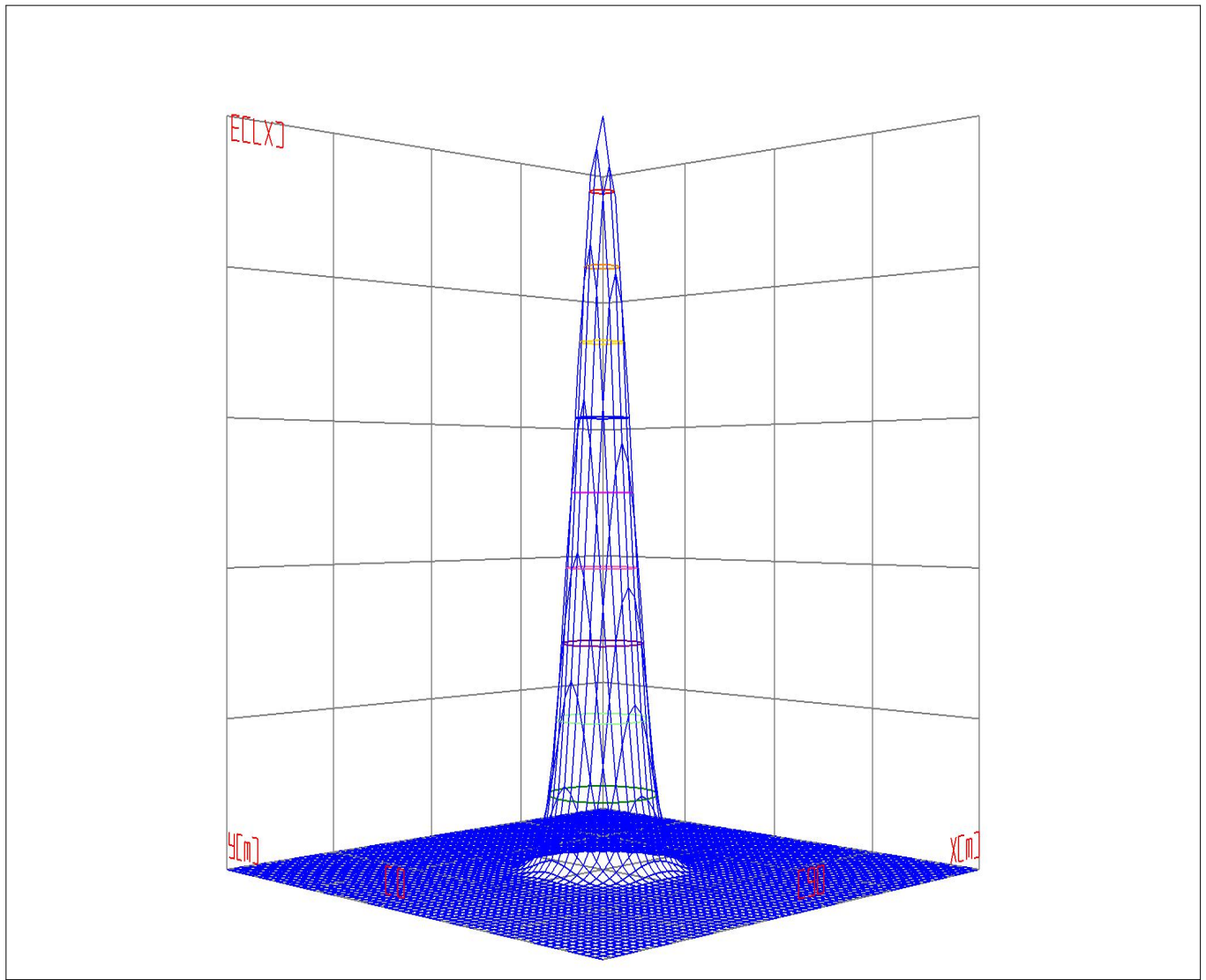
Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES

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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: 2023/07/15

### 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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# IES Indoor Report

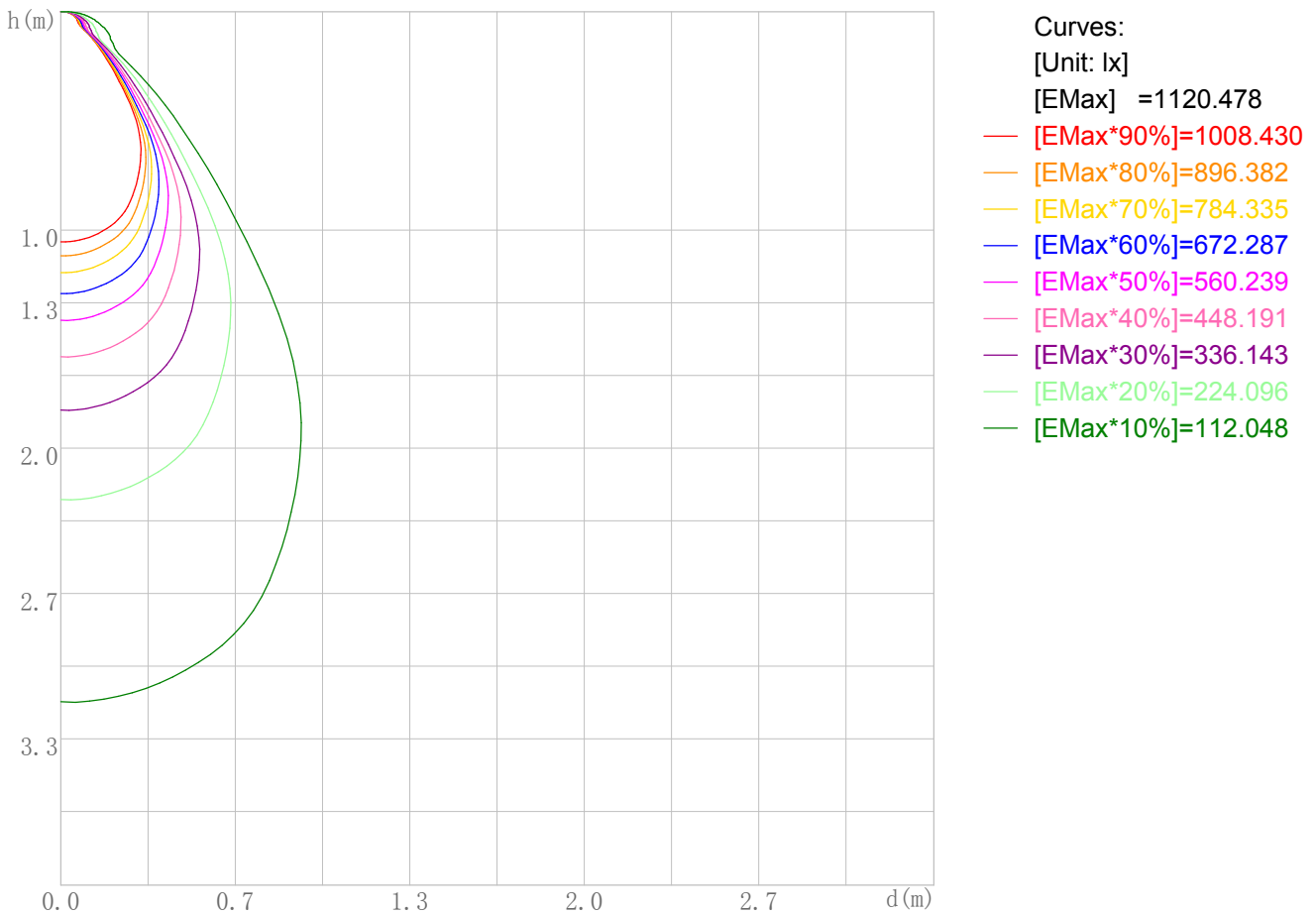
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## Space ISO Illuminance Diagram

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: 2023/07/15

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1120.48lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:1120.990cd,0deg

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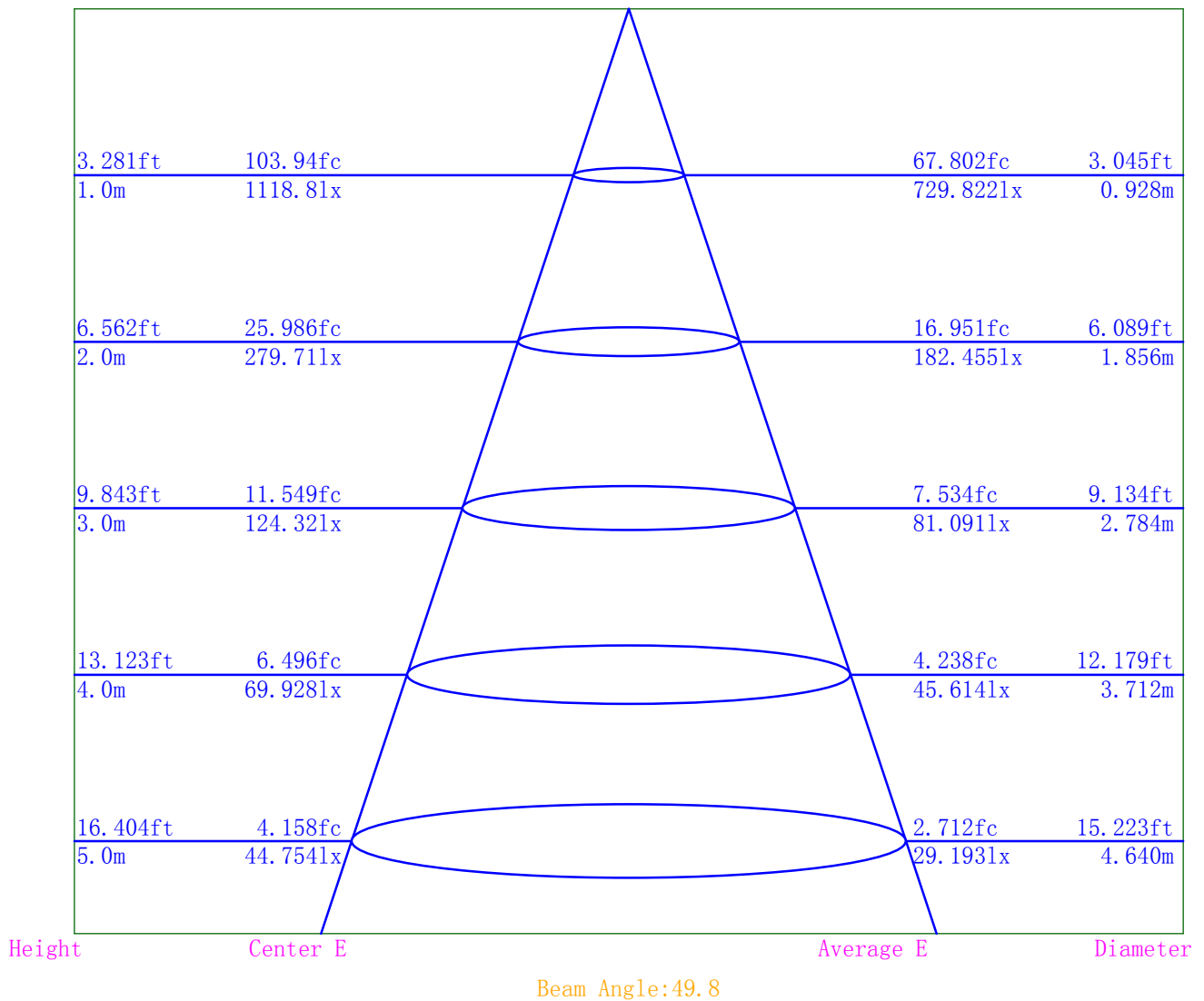
# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES

## 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: 2023/07/15

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 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: 2023/07/15

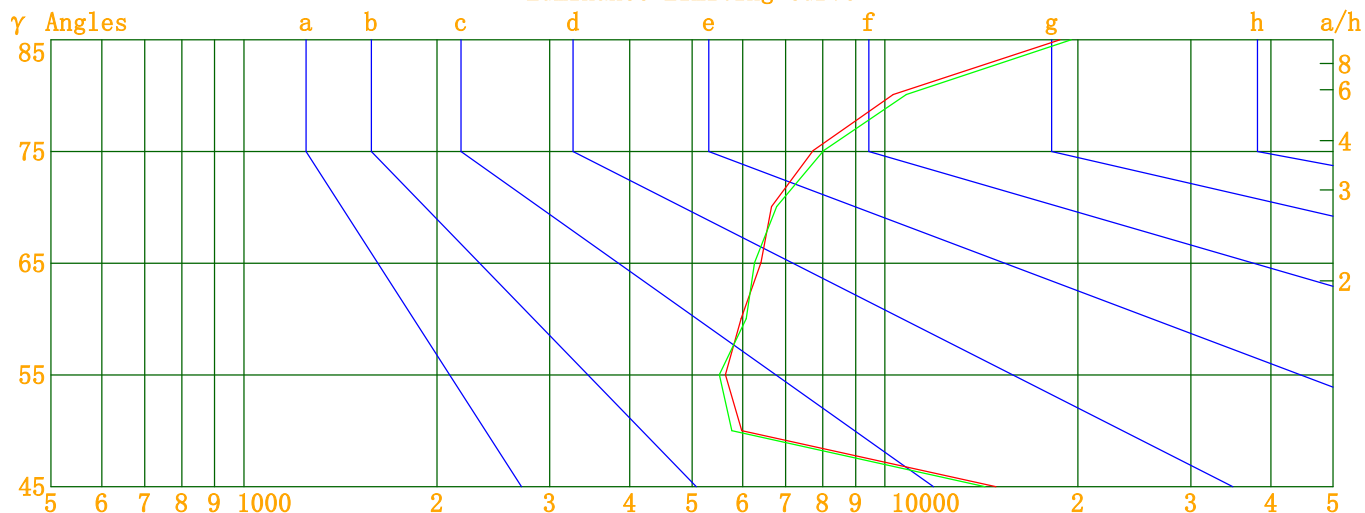
Glare Grade Table

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	14901	5980	5637	5963	6403	6654	7729	10298	18744
C90	14329	5768	5519	6075	6259	6778	8023	10795	19522

Luminance Limiting Curve



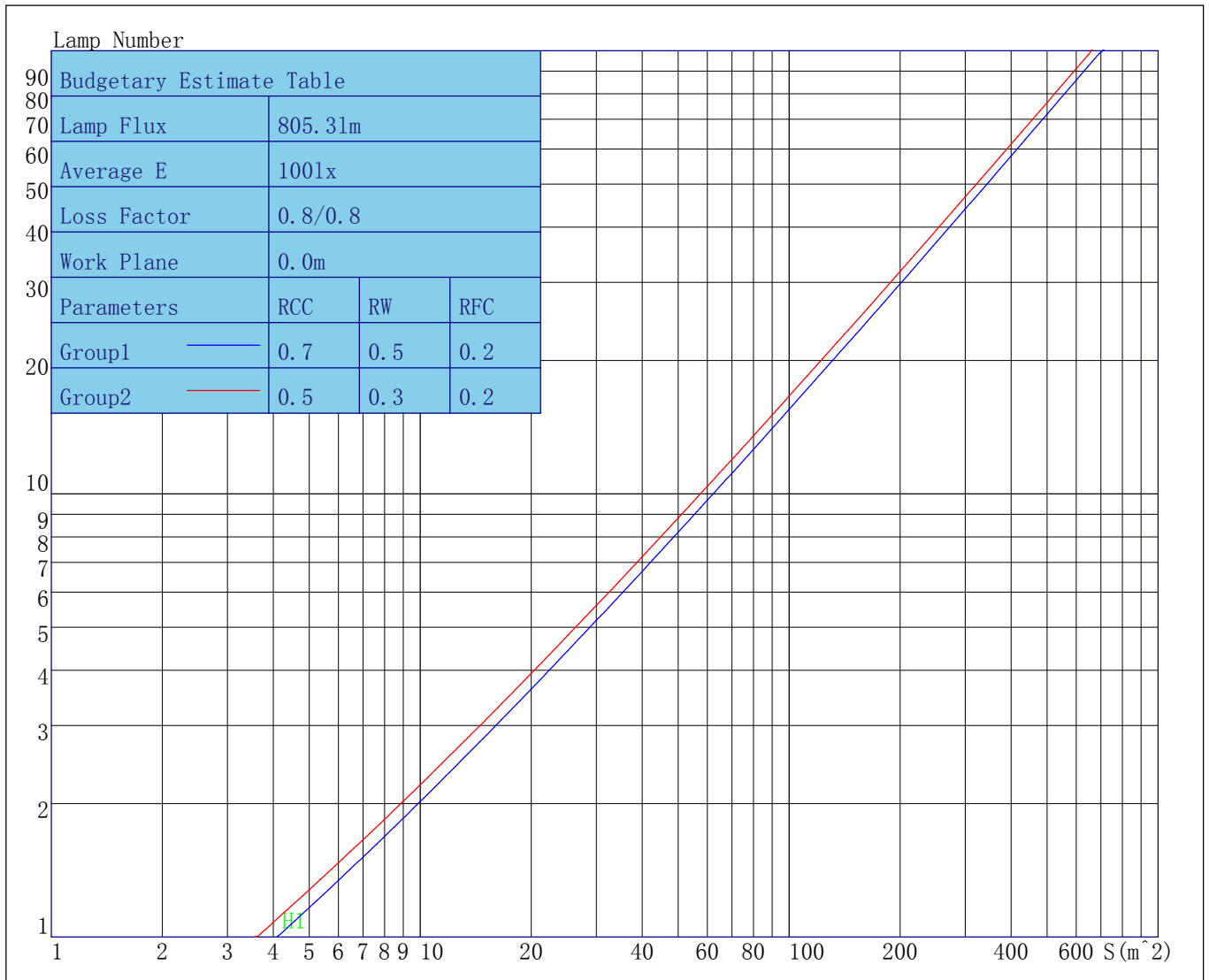
Luminous Size: Length(m)=-0.066 Width(m)=-0.066 Height(m)=0.000 Area(m^2)=0.003421  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 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: 2023/07/15



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 ZHT35-60D 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: 2023/07/15

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	97
1	113	110	107	105	110	107	105	103	103	101	99	99	97	96	95	94	93	91
2	107	102	98	95	105	100	97	94	97	94	91	93	91	89	90	88	86	85
3	102	96	91	87	100	94	90	86	91	87	84	88	85	83	86	83	81	79
4	97	90	85	80	95	89	84	80	86	82	79	84	80	77	82	79	76	75
5	93	85	79	75	91	84	78	74	81	77	73	79	76	73	78	74	72	70
6	88	80	74	70	87	79	74	70	77	72	69	75	71	68	74	70	68	66
7	84	75	70	66	83	75	69	65	73	68	65	72	67	64	70	67	64	62
8	81	72	66	62	79	71	65	62	70	65	61	68	64	61	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	65	59	55	73	64	59	55	63	58	55	62	58	55	61	57	54	53

# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 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: 2023/07/15

## 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	17.3	18.3	17.8	18.6	19.0	17.2	18.1	17.6	18.5	18.9
	Y=3H	17.5	18.3	17.9	18.7	19.1	17.5	18.3	17.9	18.7	19.1
	Y=4H	17.7	18.4	18.1	18.9	19.3	17.7	18.5	18.2	18.9	19.4
	Y=6H	18.0	18.7	18.5	19.2	19.7	18.2	18.9	18.6	19.3	19.8
	Y=8H	18.4	19.0	18.9	19.5	20.0	18.5	19.2	19.0	19.6	20.1
	Y=12H	18.8	19.4	19.3	19.9	20.4	18.9	19.6	19.4	20.0	20.5
X=4H	Y=2H	17.1	17.9	17.6	18.3	18.8	17.1	17.8	17.5	18.3	18.7
	Y=3H	17.4	18.0	17.9	18.5	19.0	17.5	18.1	18.0	18.6	19.1
	Y=4H	17.7	18.3	18.2	18.7	19.3	18.0	18.5	18.5	19.0	19.5
	Y=6H	18.3	18.8	18.8	19.3	19.8	18.7	19.1	19.2	19.7	20.2
	Y=8H	18.8	19.2	19.3	19.7	20.3	19.1	19.6	19.7	20.1	20.7
	Y=12H	19.4	19.8	19.9	20.3	20.9	19.8	20.2	20.3	20.7	21.3
X=8H	Y=4H	17.7	18.2	18.3	18.7	19.2	18.1	18.6	18.6	19.1	19.6
	Y=6H	18.5	18.9	19.1	19.4	20.0	19.0	19.4	19.6	20.0	20.6
	Y=8H	19.1	19.5	19.7	20.0	20.6	19.7	20.0	20.3	20.6	21.2
	Y=12H	20.0	20.3	20.6	20.8	21.5	20.6	20.9	21.2	21.5	22.1
X=12H	Y=4H	17.7	18.1	18.3	18.6	19.2	18.1	18.5	18.7	19.1	19.6
	Y=6H	18.6	18.9	19.1	19.4	20.0	19.2	19.5	19.8	20.0	20.6
	Y=8H	19.3	19.6	19.9	20.1	20.8	20.0	20.2	20.5	20.8	21.4
Variations with the objverer position at spacings											
S=1.0H	0.0/-0.1					0.1/-0.1					
S=1.5H	0.1/-0.2					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	2.1					2.5					

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 ZHT35-60D 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	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85	1118.85
$\gamma$ 1.0	1120.99	1117.90	1116.88	1115.49	1113.66	1113.63	1113.35	1113.42	1121.76	1122.23	1124.09	1124.65
$\gamma$ 2.0	1118.68	1113.93	1111.49	1109.08	1107.05	1107.74	1109.05	1111.18	1119.96	1122.52	1125.96	1127.31
$\gamma$ 3.0	1115.10	1108.50	1104.69	1101.61	1099.10	1100.70	1103.27	1107.11	1116.54	1121.51	1126.62	1128.68
$\gamma$ 4.0	1109.52	1101.64	1096.72	1092.49	1089.79	1092.05	1095.93	1101.90	1111.22	1118.68	1125.63	1128.68
$\gamma$ 5.0	1102.35	1092.95	1086.90	1081.78	1078.98	1081.64	1086.91	1094.85	1104.37	1114.10	1123.21	1127.03
$\gamma$ 6.0	1093.73	1082.84	1075.31	1070.05	1066.88	1069.89	1076.24	1085.88	1095.61	1107.94	1119.45	1124.15
$\gamma$ 7.0	1083.00	1071.24	1062.43	1056.64	1053.49	1056.59	1063.57	1075.37	1085.47	1100.04	1113.48	1119.49
$\gamma$ 8.0	1070.86	1057.67	1048.21	1042.09	1038.34	1040.92	1049.51	1062.87	1073.59	1090.74	1105.91	1112.93
$\gamma$ 9.0	1056.58	1042.45	1032.22	1025.67	1021.61	1024.65	1033.42	1048.59	1060.11	1079.78	1096.43	1104.53
$\gamma$ 10.0	1042.04	1025.78	1015.20	1007.98	1003.77	1006.68	1015.89	1032.82	1045.13	1066.74	1084.92	1094.34
$\gamma$ 11.0	1025.95	1007.71	996.82	988.61	984.43	987.47	997.13	1015.70	1027.74	1051.15	1070.45	1080.66
$\gamma$ 12.0	1007.36	987.79	976.10	968.39	962.86	966.09	976.64	996.40	1007.62	1032.77	1053.04	1063.78
$\gamma$ 13.0	986.53	964.88	952.12	944.17	938.60	942.00	953.17	974.49	984.68	1010.43	1032.06	1043.10
$\gamma$ 14.0	962.65	937.93	923.70	915.75	910.19	913.85	927.00	949.84	958.13	983.53	1004.96	1015.53
$\gamma$ 15.0	935.60	906.70	889.42	881.65	876.71	882.20	897.46	922.10	927.48	952.92	972.56	982.55
$\gamma$ 16.0	904.10	871.58	850.93	842.38	839.12	846.39	864.19	891.18	894.60	920.22	938.40	946.52
$\gamma$ 17.0	869.51	833.80	810.00	800.47	799.03	808.75	829.10	858.00	860.40	886.97	902.91	909.93
$\gamma$ 18.0	833.24	796.07	769.78	758.57	758.66	771.26	794.00	824.04	826.10	854.40	869.28	873.93
$\gamma$ 19.0	796.54	759.49	731.87	718.45	719.31	734.28	759.09	789.67	791.13	822.04	836.70	839.73
$\gamma$ 20.0	760.42	724.02	696.06	680.41	682.03	698.64	724.52	755.41	756.61	788.92	804.32	806.26
$\gamma$ 21.0	723.51	689.92	661.74	644.48	646.72	664.38	689.76	720.34	721.51	754.73	771.26	772.29
$\gamma$ 22.0	687.52	656.63	629.13	611.37	612.89	630.71	655.45	685.22	685.10	719.16	736.32	738.35
$\gamma$ 23.0	652.49	623.61	597.64	579.61	580.75	598.34	621.54	650.36	648.88	682.11	700.14	702.45
$\gamma$ 24.0	617.45	590.54	566.82	549.22	549.44	566.14	587.59	614.88	609.90	642.14	660.99	663.58
$\gamma$ 25.0	581.64	557.24	535.49	518.33	517.83	533.19	552.65	577.71	569.14	599.81	618.53	621.96
$\gamma$ 26.0	546.54	522.38	502.89	486.83	484.66	499.26	516.59	538.75	525.37	555.04	574.53	577.52
$\gamma$ 27.0	508.65	486.33	468.51	453.04	449.96	463.80	479.00	497.88	479.41	507.54	527.58	530.65
$\gamma$ 28.0	469.38	449.08	432.42	417.20	413.60	425.27	439.18	455.69	431.88	458.09	476.71	480.46
$\gamma$ 29.0	428.16	409.33	393.63	379.59	375.37	385.83	396.98	411.01	383.10	407.70	424.64	429.51
$\gamma$ 30.0	385.62	367.35	354.33	341.03	336.26	344.35	353.42	364.42	334.40	356.85	371.81	376.99
$\gamma$ 31.0	341.35	324.80	313.98	301.64	296.78	302.77	310.51	319.00	289.32	308.98	321.83	326.05
$\gamma$ 32.0	296.70	283.08	273.83	263.10	258.92	263.90	270.97	278.01	249.36	266.15	276.31	280.48
$\gamma$ 33.0	254.61	244.30	237.60	228.69	224.54	229.58	235.93	241.52	214.95	228.71	236.68	240.50
$\gamma$ 34.0	218.24	210.27	205.83	198.64	194.71	200.17	205.65	209.80	185.31	196.19	202.49	206.19
$\gamma$ 35.0	186.86	181.38	178.79	172.77	169.74	174.49	179.21	182.22	159.41	167.87	172.57	176.65
$\gamma$ 36.0	160.26	156.64	155.47	150.63	148.07	152.07	156.05	157.85	136.37	142.65	146.64	149.88
$\gamma$ 37.0	137.74	134.78	134.52	130.53	128.43	131.76	134.98	135.63	115.23	120.31	123.66	126.58
$\gamma$ 38.0	117.89	115.11	115.69	112.29	110.48	113.23	115.49	115.92	96.98	100.78	103.39	106.07
$\gamma$ 39.0	100.20	97.86	98.74	95.90	94.47	96.62	98.44	98.77	81.40	84.31	86.58	88.75
$\gamma$ 40.0	84.95	82.79	84.01	82.07	80.73	82.74	84.29	83.73	67.88	69.97	72.06	74.10
$\gamma$ 41.0	72.39	70.32	71.76	70.37	69.07	70.66	71.78	70.86	55.65	57.56	59.50	61.51
$\gamma$ 42.0	61.80	59.72	61.15	60.38	59.05	60.23	61.11	59.75	45.14	46.67	48.78	50.56
$\gamma$ 43.0	52.29	49.99	52.02	51.45	50.17	51.00	51.58	49.55	36.02	37.13	39.22	40.68
$\gamma$ 44.0	43.46	42.00	43.38	43.15	42.17	42.21	42.45	40.10	27.25	28.63	30.29	31.48
$\gamma$ 45.0	36.05	34.74	35.46	35.38	34.66	34.32	33.92	31.51	19.63	20.97	22.43	23.53
$\gamma$ 46.0	28.73	27.91	28.24	28.10	27.27	27.07	26.16	24.17	13.53	14.58	15.77	16.53



# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 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	22.42	21.86	22.05	21.74	20.94	21.17	19.74	18.47	8.85	9.92	10.74	11.48
γ 48.0	17.94	17.11	17.13	16.72	16.42	15.81	15.60	14.91	6.95	7.24	7.74	8.60
γ 49.0	14.73	14.33	14.02	14.03	13.76	13.60	13.52	13.26	6.10	6.28	6.68	7.27
γ 50.0	13.15	12.99	12.79	12.81	12.68	12.87	12.70	12.62	5.91	5.83	6.39	6.62
γ 51.0	12.53	12.42	12.42	12.31	12.26	12.12	12.20	12.07	5.72	5.64	6.15	6.43
γ 52.0	12.08	12.09	11.86	11.93	11.80	12.02	11.82	11.73	5.28	5.48	5.90	5.97
γ 53.0	11.76	11.88	11.53	11.57	11.42	11.77	11.65	11.48	5.17	5.09	5.54	5.51
γ 54.0	11.64	11.67	11.27	10.98	11.09	11.60	11.35	11.38	4.99	4.90	5.31	5.75
γ 55.0	11.06	11.11	11.14	10.78	10.83	11.24	11.26	11.24	4.88	4.89	5.08	5.25
γ 56.0	10.71	10.81	10.84	10.62	10.87	11.00	10.91	10.98	4.64	4.66	5.11	5.41
γ 57.0	10.46	10.51	10.87	10.52	10.76	11.02	10.58	10.86	4.44	4.42	4.96	5.27
γ 58.0	10.51	10.44	10.75	10.28	10.52	10.71	10.40	10.83	4.27	4.36	4.74	4.87
γ 59.0	10.58	10.61	10.65	10.12	10.55	10.49	10.32	10.48	4.29	4.31	4.66	5.15
γ 60.0	10.20	10.50	10.42	9.83	10.39	10.10	10.08	10.08	4.09	4.24	4.63	4.87
γ 61.0	10.18	10.19	10.47	9.77	10.07	10.24	9.95	10.08	3.81	4.22	4.54	4.76
γ 62.0	9.92	10.02	9.99	9.68	9.96	9.90	9.59	9.85	4.01	4.02	4.28	4.75
γ 63.0	9.75	9.79	9.97	9.64	9.78	10.10	9.42	9.59	3.65	3.71	4.05	4.53
γ 64.0	9.64	9.47	9.67	9.57	9.43	9.48	9.07	9.39	3.56	3.71	3.69	4.05
γ 65.0	9.26	9.37	9.43	9.06	9.05	9.23	8.93	9.14	3.22	3.56	3.59	3.95
γ 66.0	9.27	9.12	9.09	8.82	8.52	8.60	8.59	8.85	2.97	3.36	3.37	3.78
γ 67.0	8.67	8.71	8.61	8.48	8.15	8.34	8.13	8.56	3.03	3.14	3.14	3.40
γ 68.0	8.19	8.34	8.48	8.23	8.04	8.15	7.87	8.44	2.87	2.93	3.09	3.40
γ 69.0	8.19	7.97	8.35	7.97	7.93	8.15	7.77	8.22	2.71	2.88	3.15	3.09
γ 70.0	7.79	7.81	8.09	7.81	7.93	7.85	7.61	7.96	2.71	2.85	3.07	2.88
γ 71.0	7.68	7.64	7.79	7.74	7.84	7.61	7.35	7.77	2.77	2.74	2.92	2.94
γ 72.0	7.47	7.64	7.69	7.49	7.59	7.37	7.22	7.68	2.55	2.62	2.79	2.85
γ 73.0	7.33	7.45	7.51	7.17	7.39	7.28	7.32	7.48	2.71	2.54	2.78	2.71
γ 74.0	7.33	7.19	7.29	7.13	7.25	7.04	7.17	7.41	2.63	2.63	2.73	2.75
γ 75.0	6.84	6.97	7.25	6.98	7.10	6.88	7.04	7.37	2.63	2.50	2.93	2.70
γ 76.0	6.82	6.94	6.86	6.83	6.86	6.68	6.75	7.04	2.60	2.48	3.00	2.62
γ 77.0	6.60	6.92	6.73	6.50	6.59	6.46	6.59	6.82	2.44	2.57	2.74	2.68
γ 78.0	6.61	6.84	6.24	6.59	6.55	6.29	6.53	6.47	2.75	2.59	2.79	2.72
γ 79.0	6.09	6.85	6.10	6.34	6.54	6.22	6.36	6.26	2.53	2.28	2.97	2.78
γ 80.0	6.12	6.55	6.12	6.22	6.41	6.16	6.17	6.31	2.56	2.24	2.90	2.70
γ 81.0	6.30	6.30	6.03	6.11	6.27	6.01	6.08	6.29	2.78	2.34	2.69	2.65
γ 82.0	6.42	6.25	5.86	6.15	6.10	5.93	5.99	6.16	2.84	2.42	2.77	2.79
γ 83.0	5.80	6.05	5.86	5.84	5.92	5.69	5.74	6.05	2.64	2.56	2.66	2.91
γ 84.0	5.96	5.65	5.98	5.40	5.89	5.54	5.49	5.93	2.64	2.32	2.57	2.67
γ 85.0	5.59	5.59	5.73	5.33	5.82	5.58	5.26	5.96	2.63	2.36	2.73	2.82
γ 86.0	5.65	5.52	5.59	5.41	5.49	5.22	5.28	5.88	2.80	2.60	2.97	2.78
γ 87.0	5.66	5.33	5.34	5.56	5.40	5.45	5.28	5.82	2.82	2.59	3.02	2.98
γ 88.0	5.48	5.31	5.39	5.38	5.45	5.11	5.06	5.91	2.76	2.55	2.92	2.91
γ 89.0	5.30	5.39	5.38	4.87	5.35	5.19	5.09	5.74	2.86	2.52	2.80	2.98
γ 90.0	5.31	5.31	5.06	4.80	5.33	5.11	4.94	5.45	2.88	2.54	2.99	2.81
γ 91.0	5.41	5.08	4.91	4.93	5.16	4.95	4.71	5.42	2.99	2.54	2.90	2.91
γ 92.0	5.32	5.10	5.01	5.02	4.97	5.05	4.83	5.39	2.93	2.60	2.85	3.06
γ 93.0	5.14	4.95	4.81	4.88	5.00	5.03	4.90	5.34	2.95	2.73	3.18	3.07

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# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 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	4.99	4.80	4.66	4.66	5.01	4.88	4.76	5.12	2.93	2.69	3.18	3.01
γ 95.0	4.92	4.88	4.64	4.68	4.89	5.03	4.64	5.02	3.08	2.68	3.31	2.94
γ 96.0	4.79	4.93	4.43	4.36	4.89	4.89	4.66	4.96	2.92	2.77	3.30	2.93
γ 97.0	4.90	4.83	4.66	4.34	4.87	4.90	4.76	5.03	3.00	2.91	3.12	3.22
γ 98.0	4.64	4.67	4.61	4.57	4.84	4.60	4.71	4.81	3.34	2.87	3.13	3.17
γ 99.0	4.48	4.57	4.39	4.58	4.86	4.55	4.80	4.60	3.26	2.81	3.05	3.21
γ 100.0	4.47	4.64	4.45	4.49	4.75	4.30	4.67	4.56	3.16	2.86	3.37	3.26
γ 101.0	4.49	4.53	4.41	4.24	4.59	4.32	4.36	4.61	3.59	3.03	3.12	3.34
γ 102.0	4.63	4.40	4.49	4.17	4.46	4.25	4.49	4.63	3.61	2.99	2.87	3.23
γ 103.0	4.06	4.48	4.55	4.09	4.43	4.31	4.41	4.54	3.42	3.00	3.06	3.11
γ 104.0	4.47	4.45	4.52	4.05	4.42	4.15	4.35	4.50	3.48	3.09	3.19	3.27
γ 105.0	4.12	4.60	4.24	4.01	4.41	3.94	4.24	4.43	3.37	3.06	3.15	3.21
γ 106.0	4.04	4.50	4.19	4.02	4.35	4.02	4.26	4.42	3.63	3.19	3.27	3.26
γ 107.0	4.12	4.34	4.23	3.94	4.34	3.79	4.38	4.34	3.51	3.16	3.36	3.19
γ 108.0	3.92	4.12	4.09	3.99	4.48	3.89	4.17	4.41	3.71	3.14	3.26	3.24
γ 109.0	3.85	4.15	4.18	3.98	4.35	3.94	3.98	4.39	3.45	2.95	3.35	3.32
γ 110.0	4.02	4.14	4.17	3.94	4.01	4.00	3.96	4.29	3.43	2.96	3.45	3.48
γ 111.0	4.12	4.07	4.06	4.22	4.05	3.92	4.05	4.18	3.40	3.11	3.38	3.68
γ 112.0	3.89	4.25	4.07	4.35	4.15	3.69	3.74	4.08	3.36	3.15	3.41	3.78
γ 113.0	4.05	4.04	4.01	4.16	3.95	3.94	3.85	4.00	3.58	3.14	3.41	3.62
γ 114.0	3.87	3.90	4.09	3.88	3.94	3.79	3.94	3.93	3.51	3.24	3.28	3.57
γ 115.0	3.77	3.82	3.95	3.95	4.05	3.58	3.91	4.03	3.51	3.22	3.43	3.58
γ 116.0	3.75	3.84	3.94	3.95	4.00	3.77	3.61	4.01	3.68	3.23	3.63	3.47
γ 117.0	4.04	3.92	3.94	3.86	3.87	3.53	3.74	4.15	3.50	3.32	3.60	3.29
γ 118.0	3.82	3.80	3.70	3.85	3.66	3.47	3.95	4.07	3.60	3.28	3.57	3.43
γ 119.0	3.77	3.74	3.77	3.82	3.87	3.63	3.82	3.95	3.66	3.47	3.52	3.64
γ 120.0	3.74	3.82	3.91	3.80	4.06	3.67	3.73	4.01	3.98	3.53	3.43	3.72
γ 121.0	3.89	3.88	3.82	3.76	4.00	3.64	3.64	3.88	3.86	3.59	3.54	3.78
γ 122.0	3.72	3.77	3.87	3.87	3.98	3.59	3.71	3.83	3.57	3.74	3.38	3.67
γ 123.0	3.65	3.68	3.83	3.63	3.87	3.92	3.72	3.93	3.61	3.59	3.37	3.93
γ 124.0	4.01	3.87	3.81	3.73	3.77	3.87	3.72	3.81	3.69	3.55	3.39	4.00
γ 125.0	3.85	4.10	3.84	3.78	3.73	3.71	3.63	4.04	3.56	3.68	3.29	4.10
γ 126.0	3.86	4.06	3.93	3.76	3.69	3.76	3.73	4.05	3.79	3.55	3.42	4.16
γ 127.0	3.79	3.85	3.74	3.81	3.71	3.69	3.63	3.86	3.77	3.50	3.51	3.94
γ 128.0	3.79	3.79	3.72	3.68	3.75	3.44	3.48	3.97	3.72	3.56	3.41	3.99
γ 129.0	3.93	3.68	3.78	3.84	3.69	3.57	3.62	3.92	3.79	3.48	3.47	3.82
γ 130.0	3.95	3.69	3.88	4.04	3.64	3.99	3.69	4.09	3.90	3.48	3.64	4.04
γ 131.0	4.01	3.74	3.97	3.98	3.59	3.80	3.77	4.20	3.96	3.56	3.52	4.14
γ 132.0	3.89	3.71	4.06	3.77	3.68	3.93	3.93	4.18	3.85	3.60	3.70	4.11
γ 133.0	3.97	3.83	4.04	3.99	3.85	3.88	3.86	4.21	3.63	3.75	3.65	3.96
γ 134.0	4.12	3.88	4.20	4.10	4.03	3.84	3.87	4.15	3.79	3.87	3.80	4.13
γ 135.0	4.33	3.91	3.93	4.10	4.16	3.74	3.93	4.27	3.96	3.93	3.82	4.20
γ 136.0	4.32	3.87	4.07	4.15	4.11	3.73	3.88	4.40	4.00	4.02	3.74	4.06
γ 137.0	4.20	3.86	4.27	4.26	4.01	3.97	4.02	4.33	4.27	3.89	3.96	4.14
γ 138.0	4.21	3.90	4.11	4.24	3.92	3.99	3.90	4.18	4.10	4.03	4.02	4.29
γ 139.0	4.46	4.00	4.09	4.30	4.03	4.05	4.03	4.06	4.26	4.25	3.90	4.17
γ 140.0	4.29	3.89	4.27	4.10	4.15	4.18	4.01	4.16	4.20	4.20	3.96	4.20

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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	4. 17	3. 87	4. 55	4. 25	4. 17	4. 12	4. 01	4. 30	4. 23	4. 22	3. 94	4. 08
γ 142. 0	4. 20	4. 04	4. 55	4. 17	4. 16	4. 11	4. 11	4. 36	4. 47	4. 22	3. 90	4. 49
γ 143. 0	4. 20	4. 07	4. 63	4. 30	4. 26	4. 26	4. 27	4. 42	4. 61	4. 33	3. 92	4. 58
γ 144. 0	4. 36	4. 15	4. 47	4. 25	4. 40	4. 22	4. 30	4. 44	4. 54	4. 34	4. 07	4. 38
γ 145. 0	4. 42	4. 20	4. 29	4. 53	4. 20	4. 27	4. 39	4. 61	4. 32	4. 43	4. 13	4. 25
γ 146. 0	4. 34	4. 22	4. 42	4. 57	4. 15	4. 08	4. 31	4. 64	4. 53	4. 47	4. 39	4. 37
γ 147. 0	4. 48	4. 14	4. 33	4. 67	4. 38	4. 39	4. 38	4. 56	4. 72	4. 54	4. 23	4. 81
γ 148. 0	4. 50	4. 28	4. 18	4. 55	4. 55	4. 55	4. 30	4. 60	4. 76	4. 57	4. 37	4. 47
γ 149. 0	4. 68	4. 41	4. 39	4. 57	4. 63	4. 50	4. 47	4. 66	4. 78	4. 45	4. 48	4. 46
γ 150. 0	4. 41	4. 35	4. 55	4. 71	4. 72	4. 61	4. 40	4. 91	4. 86	4. 58	4. 41	4. 58
γ 151. 0	4. 63	4. 42	4. 68	4. 83	4. 65	4. 38	4. 37	5. 03	5. 03	4. 53	4. 56	4. 83
γ 152. 0	4. 67	4. 56	4. 66	5. 06	4. 48	4. 47	4. 51	5. 00	5. 21	4. 64	4. 80	4. 72
γ 153. 0	4. 74	4. 55	5. 11	5. 06	4. 66	4. 72	4. 50	5. 07	5. 37	4. 81	4. 63	4. 71
γ 154. 0	4. 72	4. 38	5. 07	5. 12	4. 96	4. 61	4. 57	5. 20	5. 59	4. 90	4. 78	4. 93
γ 155. 0	4. 66	4. 48	4. 98	5. 02	4. 95	4. 60	4. 58	5. 42	5. 70	4. 97	4. 63	4. 87
γ 156. 0	4. 80	4. 45	5. 01	5. 12	4. 85	4. 79	4. 53	5. 63	5. 92	4. 93	4. 68	4. 91
γ 157. 0	4. 67	4. 49	4. 94	4. 90	4. 76	4. 86	4. 68	5. 81	5. 63	4. 97	4. 72	4. 66
γ 158. 0	4. 89	4. 54	5. 14	4. 97	4. 76	4. 90	4. 83	5. 91	5. 32	5. 18	4. 89	4. 95
γ 159. 0	4. 95	4. 57	5. 12	5. 28	4. 72	4. 82	4. 84	5. 64	5. 44	5. 19	4. 92	4. 84
γ 160. 0	4. 90	4. 73	5. 16	5. 30	4. 64	5. 12	4. 72	5. 37	5. 80	5. 10	4. 85	4. 93
γ 161. 0	4. 89	5. 05	5. 28	5. 36	4. 84	4. 99	4. 84	5. 30	5. 48	5. 03	4. 79	5. 22
γ 162. 0	5. 08	5. 10	5. 20	5. 47	4. 87	5. 15	4. 89	5. 47	5. 04	5. 03	5. 08	5. 13
γ 163. 0	5. 06	5. 18	5. 20	5. 26	4. 87	5. 34	5. 03	5. 53	5. 31	4. 98	5. 07	5. 24
γ 164. 0	5. 19	5. 10	5. 54	5. 15	5. 05	5. 22	4. 99	5. 52	5. 32	5. 01	5. 14	5. 05
γ 165. 0	5. 31	5. 07	5. 56	5. 31	5. 00	5. 14	5. 01	5. 56	5. 44	4. 96	5. 24	5. 19
γ 166. 0	5. 33	5. 22	5. 47	5. 36	5. 07	5. 20	5. 27	5. 38	5. 45	5. 05	4. 95	5. 16
γ 167. 0	5. 28	5. 38	5. 47	5. 41	5. 26	5. 28	5. 22	5. 37	5. 55	4. 93	5. 03	5. 20
γ 168. 0	5. 36	5. 29	5. 52	5. 47	5. 28	5. 31	5. 59	5. 48	5. 45	4. 88	5. 20	5. 01
γ 169. 0	5. 22	5. 05	5. 56	5. 32	5. 43	5. 27	5. 68	5. 44	5. 94	5. 09	5. 31	5. 17
γ 170. 0	5. 38	5. 15	5. 39	5. 60	5. 49	5. 44	5. 49	5. 48	5. 75	5. 31	5. 52	5. 36
γ 171. 0	5. 58	5. 33	5. 22	5. 51	5. 43	5. 46	5. 22	5. 48	5. 76	5. 17	5. 22	5. 34
γ 172. 0	5. 38	5. 36	5. 57	5. 64	5. 45	5. 47	5. 34	5. 71	5. 78	5. 25	5. 32	5. 33
γ 173. 0	5. 35	5. 18	5. 51	5. 82	5. 44	5. 57	5. 43	5. 72	5. 59	5. 38	5. 52	5. 51
γ 174. 0	5. 67	5. 18	5. 51	5. 60	5. 52	5. 64	5. 36	5. 68	5. 64	5. 34	5. 68	5. 72
γ 175. 0	5. 71	5. 28	5. 43	5. 67	5. 63	5. 73	5. 54	5. 74	5. 82	5. 50	5. 75	5. 62
γ 176. 0	5. 69	5. 39	5. 19	5. 41	5. 49	5. 89	5. 64	5. 64	5. 62	5. 46	5. 43	5. 53
γ 177. 0	5. 68	5. 38	5. 45	5. 60	5. 42	5. 79	5. 67	5. 62	5. 56	5. 43	5. 70	5. 80
γ 178. 0	5. 75	5. 54	5. 44	5. 71	5. 38	5. 71	5. 74	5. 77	5. 65	5. 40	5. 65	5. 57
γ 179. 0	5. 63	5. 51	5. 33	5. 58	5. 42	5. 72	5. 68	5. 70	5. 46	5. 48	5. 66	5. 55
γ 180. 0	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51	5. 51
V/H	C270. 0	C292. 5	C315. 0	C337. 5								
γ 0. 0	1118. 85	1118. 85	1118. 85	1118. 85								
γ 1. 0	1122. 72	1120. 63	1117. 20	1113. 44								
γ 2. 0	1125. 46	1122. 07	1116. 74	1111. 13								
γ 3. 0	1126. 97	1122. 41	1115. 08	1107. 34								
γ 4. 0	1126. 78	1120. 80	1111. 63	1102. 16								
γ 5. 0	1125. 20	1117. 84	1106. 42	1095. 46								

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 6. 0	1121. 90	1112. 65	1099. 46	1086. 50
$\gamma$ 7. 0	1116. 74	1105. 48	1090. 64	1075. 55
$\gamma$ 8. 0	1109. 70	1096. 59	1079. 94	1062. 90
$\gamma$ 9. 0	1100. 78	1086. 15	1067. 41	1048. 76
$\gamma$ 10. 0	1089. 91	1074. 32	1053. 05	1032. 88
$\gamma$ 11. 0	1076. 18	1059. 19	1036. 71	1015. 21
$\gamma$ 12. 0	1059. 33	1041. 19	1017. 55	995. 92
$\gamma$ 13. 0	1038. 31	1019. 53	995. 86	974. 27
$\gamma$ 14. 0	1011. 50	991. 42	970. 44	949. 82
$\gamma$ 15. 0	979. 48	959. 65	940. 89	922. 13
$\gamma$ 16. 0	944. 11	925. 60	908. 65	890. 56
$\gamma$ 17. 0	907. 71	890. 67	875. 35	856. 81
$\gamma$ 18. 0	872. 26	856. 94	842. 32	821. 98
$\gamma$ 19. 0	838. 08	824. 16	809. 07	786. 76
$\gamma$ 20. 0	804. 60	791. 42	775. 42	751. 79
$\gamma$ 21. 0	771. 07	759. 11	741. 83	716. 57
$\gamma$ 22. 0	737. 01	725. 22	707. 16	680. 96
$\gamma$ 23. 0	700. 95	689. 39	671. 28	645. 11
$\gamma$ 24. 0	662. 09	651. 13	633. 36	608. 36
$\gamma$ 25. 0	620. 60	610. 24	594. 01	570. 01
$\gamma$ 26. 0	576. 97	567. 01	552. 71	530. 24
$\gamma$ 27. 0	531. 13	521. 48	509. 77	489. 03
$\gamma$ 28. 0	482. 46	474. 60	465. 26	446. 55
$\gamma$ 29. 0	432. 00	426. 80	418. 89	402. 67
$\gamma$ 30. 0	380. 84	376. 88	371. 42	357. 13
$\gamma$ 31. 0	331. 30	328. 18	324. 13	310. 99
$\gamma$ 32. 0	286. 06	283. 83	280. 00	267. 78
$\gamma$ 33. 0	246. 10	244. 88	241. 28	229. 78
$\gamma$ 34. 0	211. 34	211. 20	207. 72	197. 15
$\gamma$ 35. 0	181. 18	182. 21	178. 91	168. 77
$\gamma$ 36. 0	154. 52	156. 03	153. 58	144. 01
$\gamma$ 37. 0	130. 95	133. 06	130. 81	122. 34
$\gamma$ 38. 0	110. 36	112. 08	110. 43	102. 86
$\gamma$ 39. 0	92. 65	94. 01	92. 75	85. 64
$\gamma$ 40. 0	77. 34	78. 82	77. 72	71. 27
$\gamma$ 41. 0	64. 01	65. 75	64. 70	59. 28
$\gamma$ 42. 0	52. 62	54. 21	53. 61	49. 10
$\gamma$ 43. 0	42. 55	43. 76	43. 61	40. 13
$\gamma$ 44. 0	33. 28	34. 44	34. 50	32. 00
$\gamma$ 45. 0	24. 74	25. 76	26. 23	24. 80
$\gamma$ 46. 0	17. 71	18. 55	19. 22	18. 56
$\gamma$ 47. 0	12. 19	12. 74	13. 33	13. 45
$\gamma$ 48. 0	8. 43	8. 59	9. 18	9. 57
$\gamma$ 49. 0	6. 76	6. 68	6. 94	7. 23
$\gamma$ 50. 0	6. 16	6. 20	5. 88	6. 26
$\gamma$ 51. 0	5. 87	5. 79	5. 70	5. 91
$\gamma$ 52. 0	5. 64	5. 48	5. 46	5. 68

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 53. 0	5. 53	5. 40	5. 33	5. 65
$\gamma$ 54. 0	5. 40	5. 21	5. 05	5. 18
$\gamma$ 55. 0	5. 12	4. 90	4. 87	5. 03
$\gamma$ 56. 0	4. 95	4. 67	4. 78	4. 97
$\gamma$ 57. 0	5. 00	4. 68	4. 76	4. 74
$\gamma$ 58. 0	5. 05	4. 44	4. 76	4. 58
$\gamma$ 59. 0	4. 87	4. 28	4. 62	4. 52
$\gamma$ 60. 0	4. 73	4. 26	4. 34	4. 54
$\gamma$ 61. 0	4. 58	4. 07	4. 34	4. 46
$\gamma$ 62. 0	4. 37	4. 14	4. 17	4. 28
$\gamma$ 63. 0	4. 21	3. 96	3. 99	4. 21
$\gamma$ 64. 0	3. 93	3. 48	3. 92	4. 07
$\gamma$ 65. 0	3. 55	3. 63	3. 52	3. 84
$\gamma$ 66. 0	3. 31	3. 13	3. 12	3. 35
$\gamma$ 67. 0	3. 24	3. 08	2. 88	3. 12
$\gamma$ 68. 0	3. 10	2. 96	2. 84	2. 99
$\gamma$ 69. 0	3. 01	2. 85	2. 72	2. 89
$\gamma$ 70. 0	2. 86	2. 63	2. 55	2. 93
$\gamma$ 71. 0	2. 81	2. 68	2. 75	3. 06
$\gamma$ 72. 0	2. 73	2. 81	2. 89	2. 89
$\gamma$ 73. 0	2. 68	2. 57	2. 79	2. 76
$\gamma$ 74. 0	2. 85	2. 44	2. 57	2. 77
$\gamma$ 75. 0	2. 79	2. 43	2. 53	2. 95
$\gamma$ 76. 0	2. 76	2. 50	2. 57	2. 86
$\gamma$ 77. 0	2. 62	2. 37	2. 62	2. 91
$\gamma$ 78. 0	2. 57	2. 12	2. 41	3. 01
$\gamma$ 79. 0	2. 71	2. 42	2. 41	2. 86
$\gamma$ 80. 0	2. 70	2. 41	2. 39	2. 66
$\gamma$ 81. 0	2. 68	2. 45	2. 60	2. 90
$\gamma$ 82. 0	2. 66	2. 39	2. 61	2. 99
$\gamma$ 83. 0	2. 53	2. 28	2. 52	2. 86
$\gamma$ 84. 0	2. 58	2. 55	2. 41	2. 81
$\gamma$ 85. 0	2. 69	2. 65	2. 53	2. 90
$\gamma$ 86. 0	2. 67	2. 81	2. 74	3. 05
$\gamma$ 87. 0	2. 70	2. 50	2. 52	3. 07
$\gamma$ 88. 0	2. 71	2. 62	2. 32	3. 08
$\gamma$ 89. 0	2. 88	2. 80	2. 53	3. 18
$\gamma$ 90. 0	3. 06	2. 81	2. 91	3. 30
$\gamma$ 91. 0	3. 01	2. 85	2. 80	3. 28
$\gamma$ 92. 0	2. 93	3. 03	2. 75	3. 31
$\gamma$ 93. 0	3. 02	2. 85	2. 78	3. 38
$\gamma$ 94. 0	3. 15	2. 97	2. 90	3. 39
$\gamma$ 95. 0	3. 14	3. 10	2. 95	3. 32
$\gamma$ 96. 0	3. 17	3. 03	2. 87	3. 32
$\gamma$ 97. 0	3. 12	3. 09	2. 95	3. 32
$\gamma$ 98. 0	3. 01	2. 89	2. 98	3. 19
$\gamma$ 99. 0	2. 95	3. 13	3. 22	3. 21

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## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
$\gamma$ 100.0	2.99	3.17	3.38	3.43
$\gamma$ 101.0	3.18	3.14	3.16	3.64
$\gamma$ 102.0	3.29	3.18	3.17	3.55
$\gamma$ 103.0	3.38	3.19	3.14	3.40
$\gamma$ 104.0	3.46	3.10	3.13	3.46
$\gamma$ 105.0	3.51	3.29	3.18	3.56
$\gamma$ 106.0	3.34	3.60	3.31	3.41
$\gamma$ 107.0	3.30	3.59	3.37	3.31
$\gamma$ 108.0	3.39	3.57	3.45	3.38
$\gamma$ 109.0	3.39	3.61	3.42	3.45
$\gamma$ 110.0	3.39	3.46	3.41	3.51
$\gamma$ 111.0	3.28	3.24	3.38	3.56
$\gamma$ 112.0	3.31	3.15	3.35	3.52
$\gamma$ 113.0	3.25	3.27	3.33	3.48
$\gamma$ 114.0	3.29	3.34	3.37	3.57
$\gamma$ 115.0	3.49	3.28	3.32	3.65
$\gamma$ 116.0	3.53	3.42	3.26	3.66
$\gamma$ 117.0	3.44	3.40	3.28	3.57
$\gamma$ 118.0	3.35	3.39	3.47	3.62
$\gamma$ 119.0	3.42	3.58	3.51	3.66
$\gamma$ 120.0	3.44	3.56	3.34	3.67
$\gamma$ 121.0	3.54	3.41	3.36	3.94
$\gamma$ 122.0	3.53	3.37	3.61	3.93
$\gamma$ 123.0	3.29	3.65	3.59	3.80
$\gamma$ 124.0	3.35	3.54	3.61	3.80
$\gamma$ 125.0	3.47	3.68	3.66	3.92
$\gamma$ 126.0	3.35	3.48	3.61	4.12
$\gamma$ 127.0	3.29	3.40	3.41	4.04
$\gamma$ 128.0	3.37	3.50	3.42	4.04
$\gamma$ 129.0	3.44	3.34	3.48	4.07
$\gamma$ 130.0	3.50	3.50	3.50	4.01
$\gamma$ 131.0	3.59	3.46	3.64	4.09
$\gamma$ 132.0	3.64	3.32	3.68	4.07
$\gamma$ 133.0	3.64	3.77	3.74	3.97
$\gamma$ 134.0	3.59	3.70	3.76	4.12
$\gamma$ 135.0	3.58	3.74	3.67	4.17
$\gamma$ 136.0	3.56	3.77	3.73	4.15
$\gamma$ 137.0	3.67	3.76	3.86	4.25
$\gamma$ 138.0	3.92	3.92	3.93	4.33
$\gamma$ 139.0	3.94	3.74	3.72	4.41
$\gamma$ 140.0	3.91	3.77	4.00	4.60
$\gamma$ 141.0	3.88	3.68	4.25	4.58
$\gamma$ 142.0	3.94	3.72	4.10	4.61
$\gamma$ 143.0	3.95	3.93	3.94	4.62
$\gamma$ 144.0	4.05	3.78	4.05	4.66
$\gamma$ 145.0	4.04	3.97	4.34	4.71
$\gamma$ 146.0	3.89	3.96	4.31	4.62

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# IES Indoor Report

Photometric Filename:AW12540 12W 1204C9 3090 ZHT35-60D 300.IES

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
γ 147. 0	4. 02	4. 15	4. 22	4. 71
γ 148. 0	4. 17	4. 22	4. 47	4. 71
γ 149. 0	4. 27	4. 43	4. 38	4. 75
γ 150. 0	4. 39	4. 34	4. 35	4. 67
γ 151. 0	4. 45	4. 19	4. 42	4. 69
γ 152. 0	4. 28	4. 60	4. 36	4. 68
γ 153. 0	4. 20	4. 52	4. 57	4. 68
γ 154. 0	4. 15	4. 55	4. 78	4. 80
γ 155. 0	4. 17	4. 38	4. 80	4. 83
γ 156. 0	4. 54	4. 69	4. 80	4. 99
γ 157. 0	4. 71	4. 57	5. 14	4. 99
γ 158. 0	4. 83	4. 64	5. 19	5. 03
γ 159. 0	4. 81	4. 85	4. 95	5. 08
γ 160. 0	4. 82	4. 91	5. 06	5. 01
γ 161. 0	4. 97	4. 83	5. 10	5. 05
γ 162. 0	4. 97	4. 87	5. 07	5. 08
γ 163. 0	5. 06	5. 14	5. 14	5. 23
γ 164. 0	5. 03	5. 01	5. 16	5. 24
γ 165. 0	4. 83	5. 02	5. 31	5. 31
γ 166. 0	4. 83	5. 16	5. 37	5. 29
γ 167. 0	4. 94	5. 22	5. 32	5. 44
γ 168. 0	5. 12	4. 96	5. 37	5. 43
γ 169. 0	5. 16	5. 35	5. 46	5. 49
γ 170. 0	5. 05	5. 11	5. 33	5. 49
γ 171. 0	5. 06	5. 40	5. 36	5. 40
γ 172. 0	5. 03	5. 45	5. 51	5. 55
γ 173. 0	5. 06	5. 49	5. 57	5. 67
γ 174. 0	4. 97	5. 42	5. 54	5. 51
γ 175. 0	5. 08	5. 60	5. 44	5. 57
γ 176. 0	5. 32	5. 50	5. 49	5. 96
γ 177. 0	5. 46	5. 75	5. 42	5. 95
γ 178. 0	5. 51	5. 52	5. 52	5. 68
γ 179. 0	5. 52	5. 60	5. 53	5. 55
γ 180. 0	5. 51	5. 51	5. 51	5. 51

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