

# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

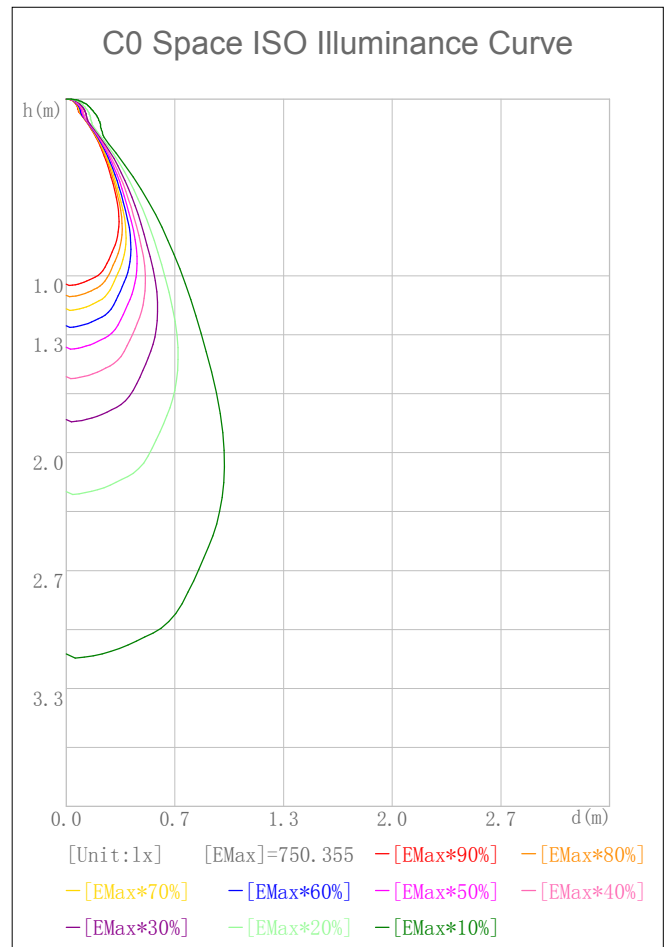
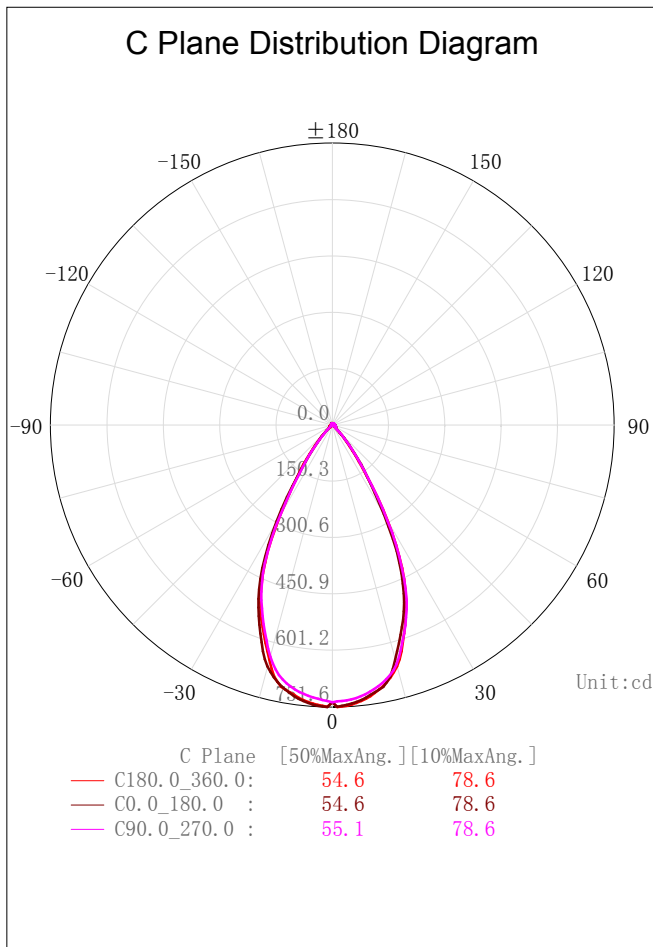
## Indoor Luminaire Photometric Data

### Description Information

Luminary Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Date: 2023/06/29
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): 595.000	Luminary Flux(lm): 595.672	Field Angle(10%Imax): 78.6(°)	
Rated Power(W): 8	Luminary Efficiency: 100.11%	Down Lumens&Percent: 576.986lm 96.86%	
Rated Voltage(V): 220	Luminary EER(lm/W): 71.278	Up Lumens&Percent: 18.686lm 3.14%	
Tested Power(W): 8.357	Max. Candela(cd): 751.556	S/MH: C0_a180=0.875 C90_270=0.873	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 220.5, 0.065, 0.579	Beam Angle(50%Imax): 54.6(°)	ErP Φ use(90°): 555.655lm	
Lamp Size(W*L*H): 0.066m*0.066m*0.000m	Left=-27.1°, Right=27.6°	IRF(%): 278.132	



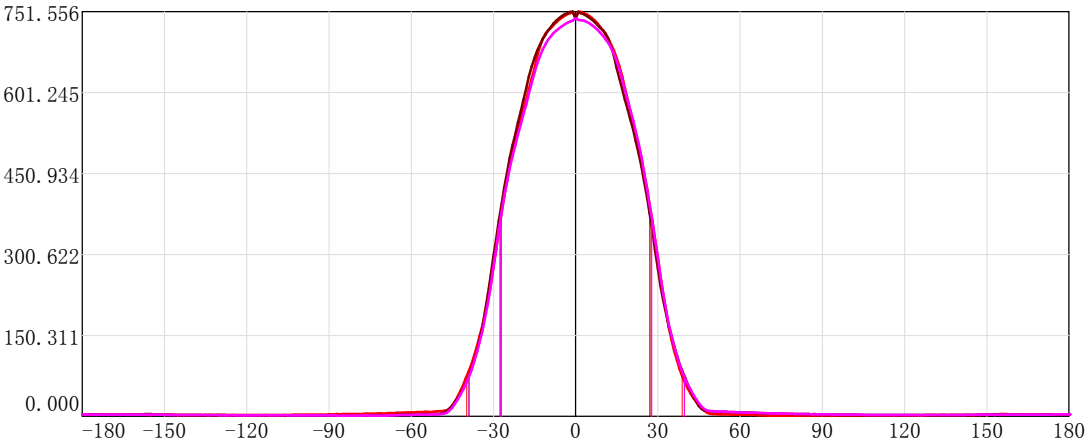
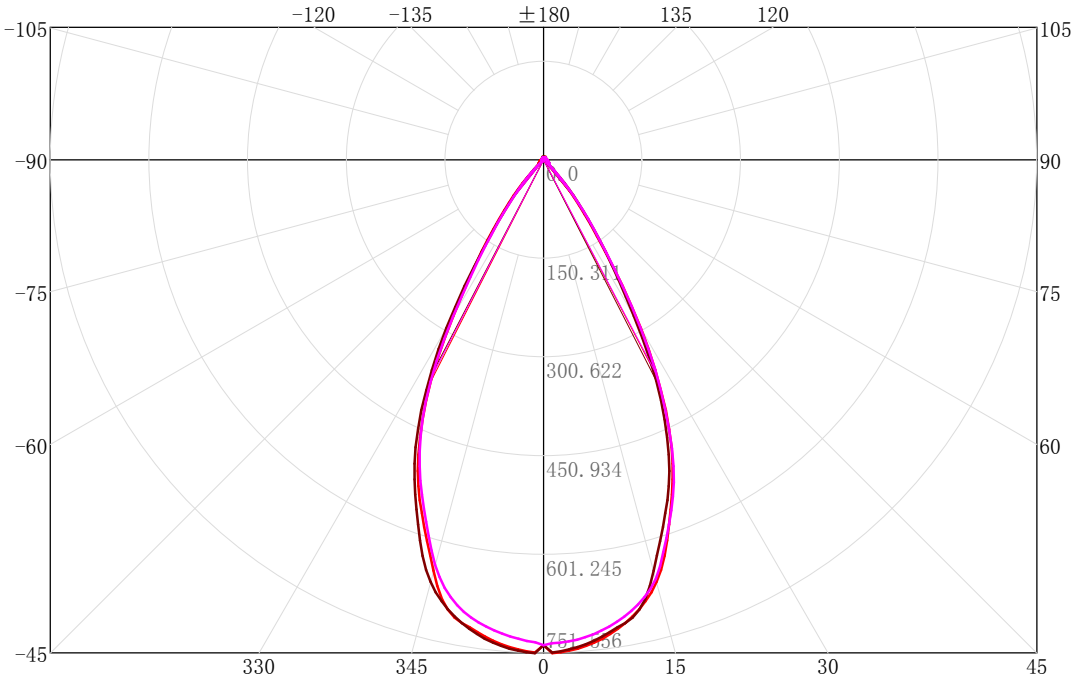
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## 2D Plane Light Intensity Distribution Curve

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/06/29

C Plane Distribution Diagram



	C Plane	[50%MaxAng. ]	[10%MaxAng. ]	Unit:cd
—	C180.0_360.0:	54.6	78.6	
—	C0.0_180.0 :	54.6	78.6	
—	C90.0_270.0 :	55.1	78.6	

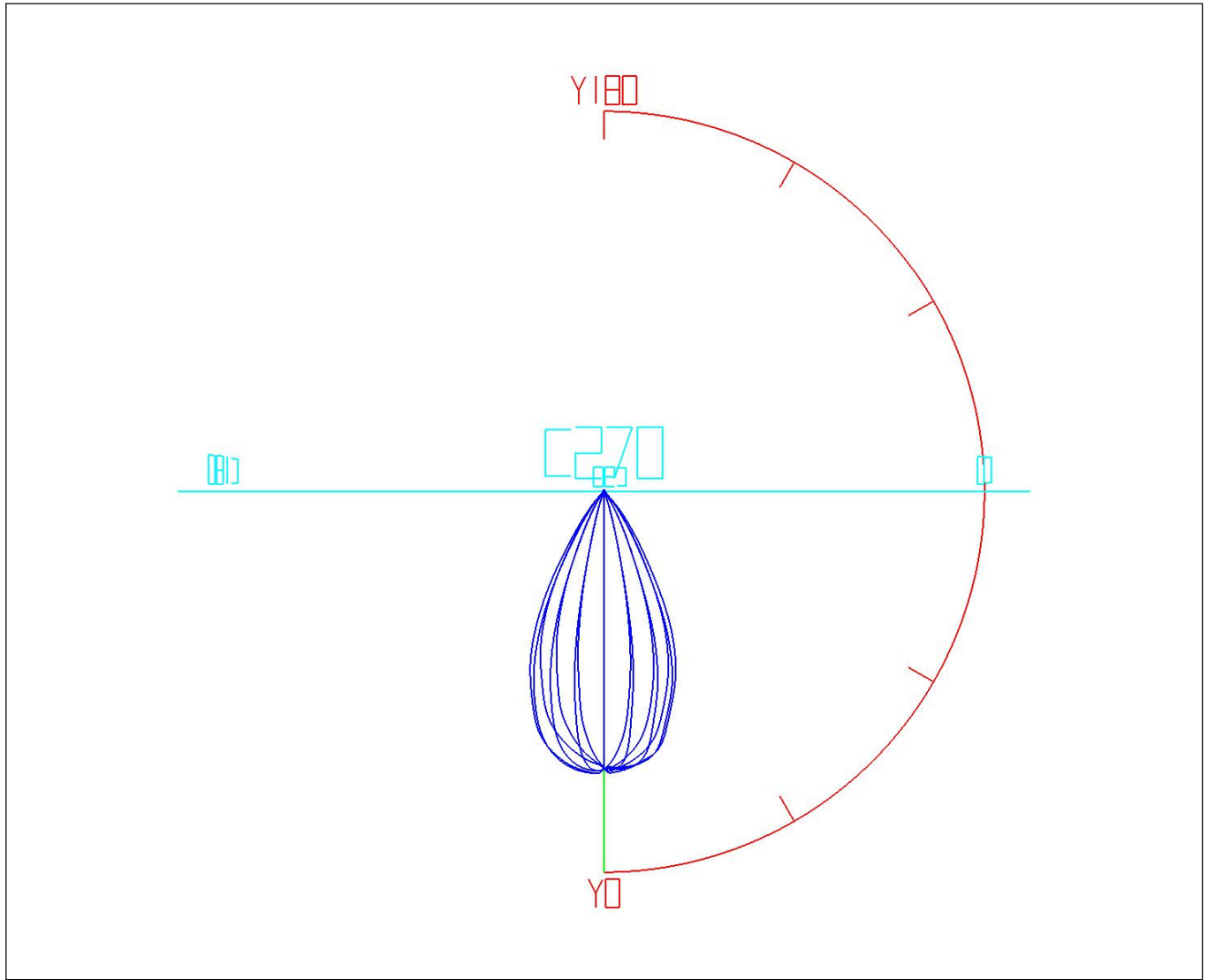
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## 3D Light Intensity Distribution Modal

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29

## 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

# 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	0.71	0.71	0.12	0.12	47.0-48.0	0.77	558.27	0.13	93.83
1.0-2.0	2.12	2.83	0.36	0.48	48.0-49.0	0.65	558.92	0.11	93.94
2.0-3.0	3.52	6.35	0.59	1.07	49.0-50.0	0.60	559.52	0.10	94.04
3.0-4.0	4.92	11.27	0.83	1.89	50.0-51.0	0.58	560.09	0.10	94.13
4.0-5.0	6.30	17.57	1.06	2.95	51.0-52.0	0.57	560.66	0.10	94.23
5.0-6.0	7.66	25.22	1.29	4.24	52.0-53.0	0.56	561.22	0.09	94.32
6.0-7.0	8.99	34.22	1.51	5.75	53.0-54.0	0.55	561.77	0.09	94.41
7.0-8.0	10.31	44.52	1.73	7.48	54.0-55.0	0.55	562.32	0.09	94.51
8.0-9.0	11.58	56.11	1.95	9.43	55.0-56.0	0.54	562.86	0.09	94.60
9.0-10.0	12.83	68.94	2.16	11.59	56.0-57.0	0.54	563.39	0.09	94.69
10.0-11.0	14.03	82.96	2.36	13.94	57.0-58.0	0.53	563.93	0.09	94.78
11.0-12.0	15.17	98.13	2.55	16.49	58.0-59.0	0.53	564.46	0.09	94.87
12.0-13.0	16.23	114.36	2.73	19.22	59.0-60.0	0.52	564.98	0.09	94.95
13.0-14.0	17.20	131.56	2.89	22.11	60.0-61.0	0.52	565.50	0.09	95.04
14.0-15.0	18.06	149.63	3.04	25.15	61.0-62.0	0.51	566.01	0.09	95.13
15.0-16.0	18.80	168.42	3.16	28.31	62.0-63.0	0.51	566.52	0.09	95.21
16.0-17.0	19.41	187.83	3.26	31.57	63.0-64.0	0.50	567.02	0.08	95.30
17.0-18.0	19.91	207.74	3.35	34.92	64.0-65.0	0.48	567.50	0.08	95.38
18.0-19.0	20.33	228.08	3.42	38.33	65.0-66.0	0.47	567.97	0.08	95.46
19.0-20.0	20.68	248.76	3.48	41.81	66.0-67.0	0.45	568.42	0.08	95.53
20.0-21.0	20.94	269.70	3.52	45.33	67.0-68.0	0.44	568.86	0.07	95.61
21.0-22.0	21.10	290.80	3.55	48.87	68.0-69.0	0.43	569.29	0.07	95.68
22.0-23.0	21.12	311.92	3.55	52.42	69.0-70.0	0.42	569.70	0.07	95.75
23.0-24.0	20.99	332.92	3.53	55.95	70.0-71.0	0.41	570.11	0.07	95.82
24.0-25.0	20.69	353.60	3.48	59.43	71.0-72.0	0.40	570.51	0.07	95.88
25.0-26.0	20.19	373.79	3.39	62.82	72.0-73.0	0.40	570.91	0.07	95.95
26.0-27.0	19.50	393.29	3.28	66.10	73.0-74.0	0.39	571.30	0.07	96.02
27.0-28.0	18.62	411.91	3.13	69.23	74.0-75.0	0.39	571.68	0.06	96.08
28.0-29.0	17.53	429.43	2.95	72.17	75.0-76.0	0.38	572.06	0.06	96.15
29.0-30.0	16.26	445.69	2.73	74.91	76.0-77.0	0.37	572.44	0.06	96.21
30.0-31.0	14.86	460.56	2.50	77.40	77.0-78.0	0.37	572.81	0.06	96.27
31.0-32.0	13.43	473.98	2.26	79.66	78.0-79.0	0.37	573.17	0.06	96.33
32.0-33.0	12.04	486.02	2.02	81.68	79.0-80.0	0.36	573.53	0.06	96.39
33.0-34.0	10.77	496.79	1.81	83.49	80.0-81.0	0.36	573.89	0.06	96.45
34.0-35.0	9.62	506.41	1.62	85.11	81.0-82.0	0.36	574.25	0.06	96.51
35.0-36.0	8.56	514.97	1.44	86.55	82.0-83.0	0.35	574.60	0.06	96.57
36.0-37.0	7.58	522.54	1.27	87.82	83.0-84.0	0.35	574.95	0.06	96.63
37.0-38.0	6.65	529.19	1.12	88.94	84.0-85.0	0.34	575.29	0.06	96.69
38.0-39.0	5.79	534.98	0.97	89.91	85.0-86.0	0.34	575.63	0.06	96.74
39.0-40.0	5.00	539.99	0.84	90.75	86.0-87.0	0.34	575.97	0.06	96.80
40.0-41.0	4.28	544.27	0.72	91.47	87.0-88.0	0.34	576.31	0.06	96.86
41.0-42.0	3.62	547.89	0.61	92.08	88.0-89.0	0.34	576.65	0.06	96.92
42.0-43.0	2.99	550.88	0.50	92.58	89.0-90.0	0.34	576.99	0.06	96.97
43.0-44.0	2.39	553.27	0.40	92.99	90.0-91.0	0.34	577.33	0.06	97.03
44.0-45.0	1.85	555.12	0.31	93.30	91.0-92.0	0.34	577.66	0.06	97.09
45.0-46.0	1.38	556.50	0.23	93.53	92.0-93.0	0.33	577.99	0.06	97.14
46.0-47.0	1.01	557.51	0.17	93.70	93.0-94.0	0.33	578.32	0.06	97.20

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## Zonal Flux Tabulation - (Cont.)

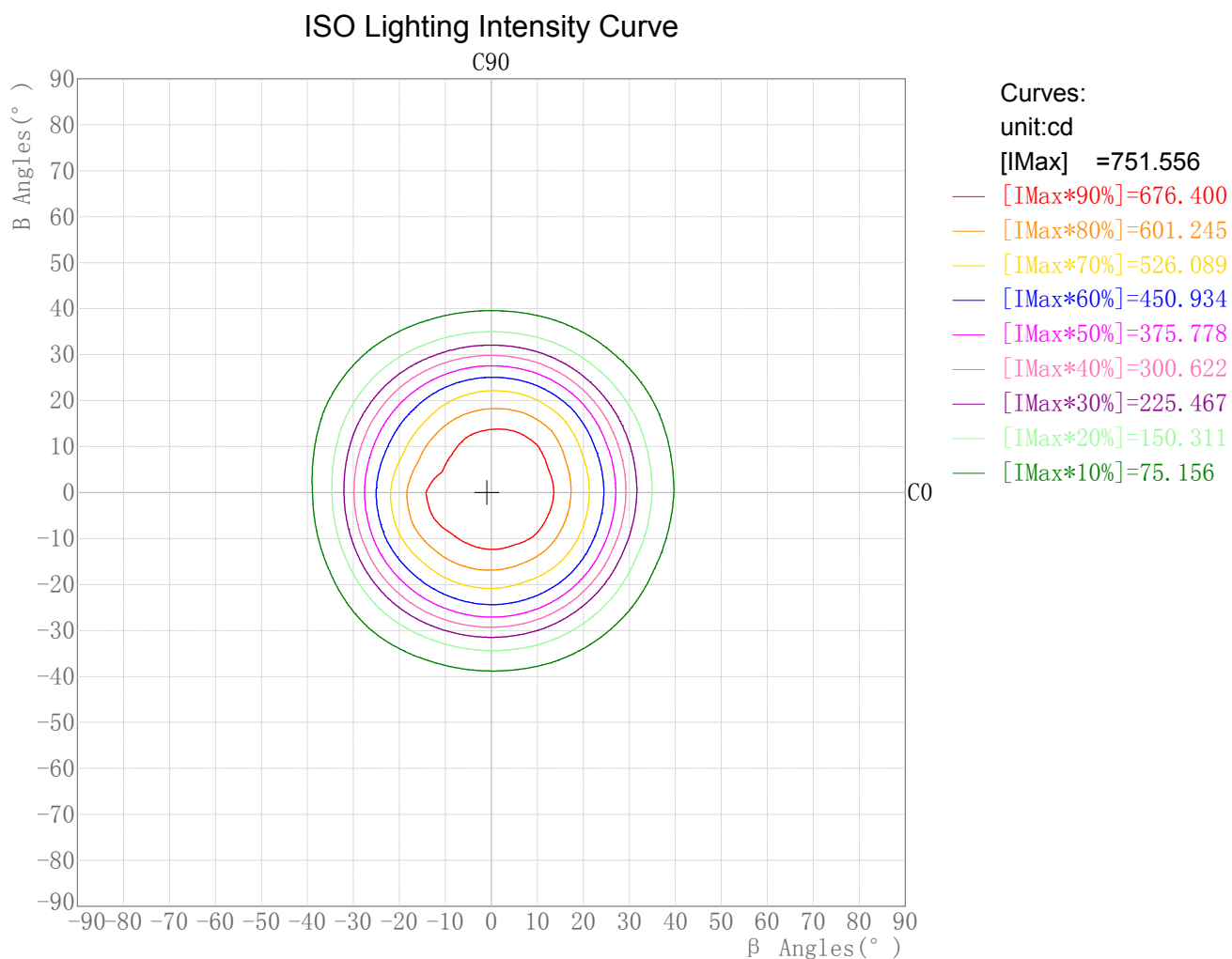
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.33	578.65	0.05	97.25	141.0-142.0	0.21	591.07	0.04	99.34
95.0-96.0	0.32	578.97	0.05	97.31	142.0-143.0	0.21	591.28	0.03	99.37
96.0-97.0	0.32	579.29	0.05	97.36	143.0-144.0	0.20	591.48	0.03	99.41
97.0-98.0	0.32	579.61	0.05	97.41	144.0-145.0	0.20	591.68	0.03	99.44
98.0-99.0	0.32	579.93	0.05	97.47	145.0-146.0	0.20	591.88	0.03	99.48
99.0-100.0	0.31	580.24	0.05	97.52	146.0-147.0	0.20	592.07	0.03	99.51
100.0-101.0	0.32	580.56	0.05	97.57	147.0-148.0	0.19	592.27	0.03	99.54
101.0-102.0	0.31	580.87	0.05	97.63	148.0-149.0	0.19	592.45	0.03	99.57
102.0-103.0	0.31	581.18	0.05	97.68	149.0-150.0	0.18	592.64	0.03	99.60
103.0-104.0	0.30	581.48	0.05	97.73	150.0-151.0	0.18	592.81	0.03	99.63
104.0-105.0	0.30	581.78	0.05	97.78	151.0-152.0	0.17	592.99	0.03	99.66
105.0-106.0	0.30	582.08	0.05	97.83	152.0-153.0	0.17	593.16	0.03	99.69
106.0-107.0	0.29	582.37	0.05	97.88	153.0-154.0	0.17	593.33	0.03	99.72
107.0-108.0	0.29	582.66	0.05	97.93	154.0-155.0	0.17	593.50	0.03	99.75
108.0-109.0	0.29	582.95	0.05	97.97	155.0-156.0	0.16	593.66	0.03	99.77
109.0-110.0	0.28	583.23	0.05	98.02	156.0-157.0	0.16	593.82	0.03	99.80
110.0-111.0	0.28	583.51	0.05	98.07	157.0-158.0	0.15	593.97	0.03	99.83
111.0-112.0	0.28	583.79	0.05	98.12	158.0-159.0	0.14	594.11	0.02	99.85
112.0-113.0	0.28	584.07	0.05	98.16	159.0-160.0	0.14	594.25	0.02	99.87
113.0-114.0	0.28	584.34	0.05	98.21	160.0-161.0	0.13	594.38	0.02	99.90
114.0-115.0	0.27	584.61	0.05	98.25	161.0-162.0	0.13	594.51	0.02	99.92
115.0-116.0	0.27	584.88	0.04	98.30	162.0-163.0	0.12	594.63	0.02	99.94
116.0-117.0	0.27	585.14	0.04	98.34	163.0-164.0	0.11	594.74	0.02	99.96
117.0-118.0	0.26	585.41	0.04	98.39	164.0-165.0	0.11	594.85	0.02	99.98
118.0-119.0	0.26	585.67	0.04	98.43	165.0-166.0	0.10	594.96	0.02	99.99
119.0-120.0	0.26	585.93	0.04	98.48	166.0-167.0	0.10	595.05	0.02	100.01
120.0-121.0	0.26	586.19	0.04	98.52	167.0-168.0	0.09	595.14	0.02	100.02
121.0-122.0	0.26	586.44	0.04	98.56	168.0-169.0	0.08	595.22	0.01	100.04
122.0-123.0	0.25	586.69	0.04	98.60	169.0-170.0	0.08	595.30	0.01	100.05
123.0-124.0	0.25	586.94	0.04	98.65	170.0-171.0	0.07	595.37	0.01	100.06
124.0-125.0	0.25	587.20	0.04	98.69	171.0-172.0	0.06	595.43	0.01	100.07
125.0-126.0	0.25	587.44	0.04	98.73	172.0-173.0	0.06	595.49	0.01	100.08
126.0-127.0	0.24	587.69	0.04	98.77	173.0-174.0	0.05	595.54	0.01	100.09
127.0-128.0	0.24	587.93	0.04	98.81	174.0-175.0	0.04	595.58	0.01	100.10
128.0-129.0	0.24	588.17	0.04	98.85	175.0-176.0	0.03	595.61	0.01	100.10
129.0-130.0	0.24	588.41	0.04	98.89	176.0-177.0	0.03	595.64	0.00	100.11
130.0-131.0	0.24	588.65	0.04	98.93	177.0-178.0	0.02	595.66	0.00	100.11
131.0-132.0	0.23	588.88	0.04	98.97	178.0-179.0	0.01	595.67	0.00	100.11
132.0-133.0	0.23	589.11	0.04	99.01	179.0-180.0	0.00	595.67	0.00	100.11
133.0-134.0	0.23	589.34	0.04	99.05					
134.0-135.0	0.22	589.56	0.04	99.09					
135.0-136.0	0.22	589.78	0.04	99.12					
136.0-137.0	0.22	590.00	0.04	99.16					
137.0-138.0	0.22	590.22	0.04	99.20					
138.0-139.0	0.22	590.44	0.04	99.23					
139.0-140.0	0.21	590.65	0.04	99.27					
140.0-141.0	0.21	590.86	0.04	99.31					

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## Rectangle ISO Lighting Intensity Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29



Maximum Light Intensity(cd): 751.56

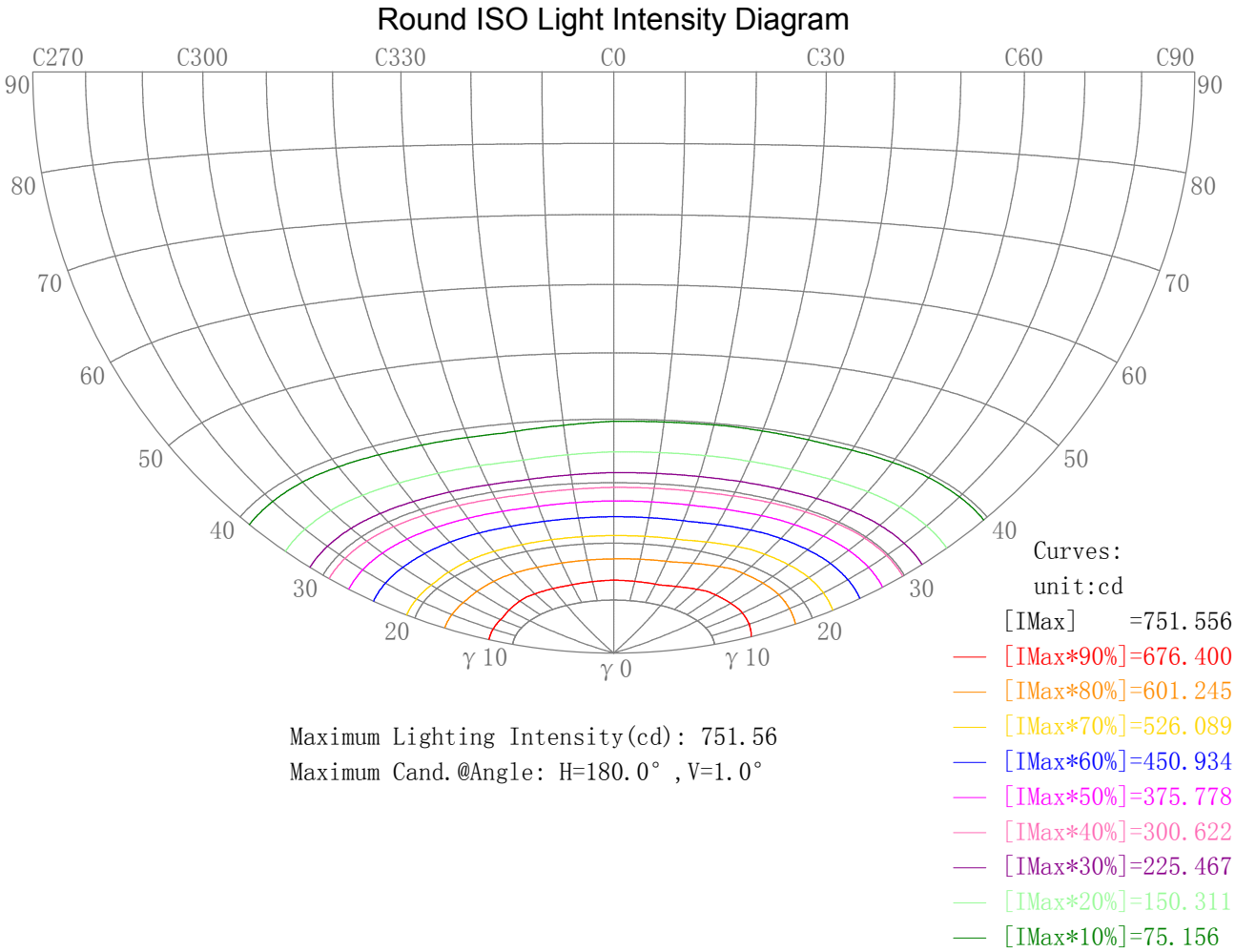
Maximum Cand.@Angle: H=-1.0°,V=0.0°

# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

## Round ISO Lighting Intensity Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29



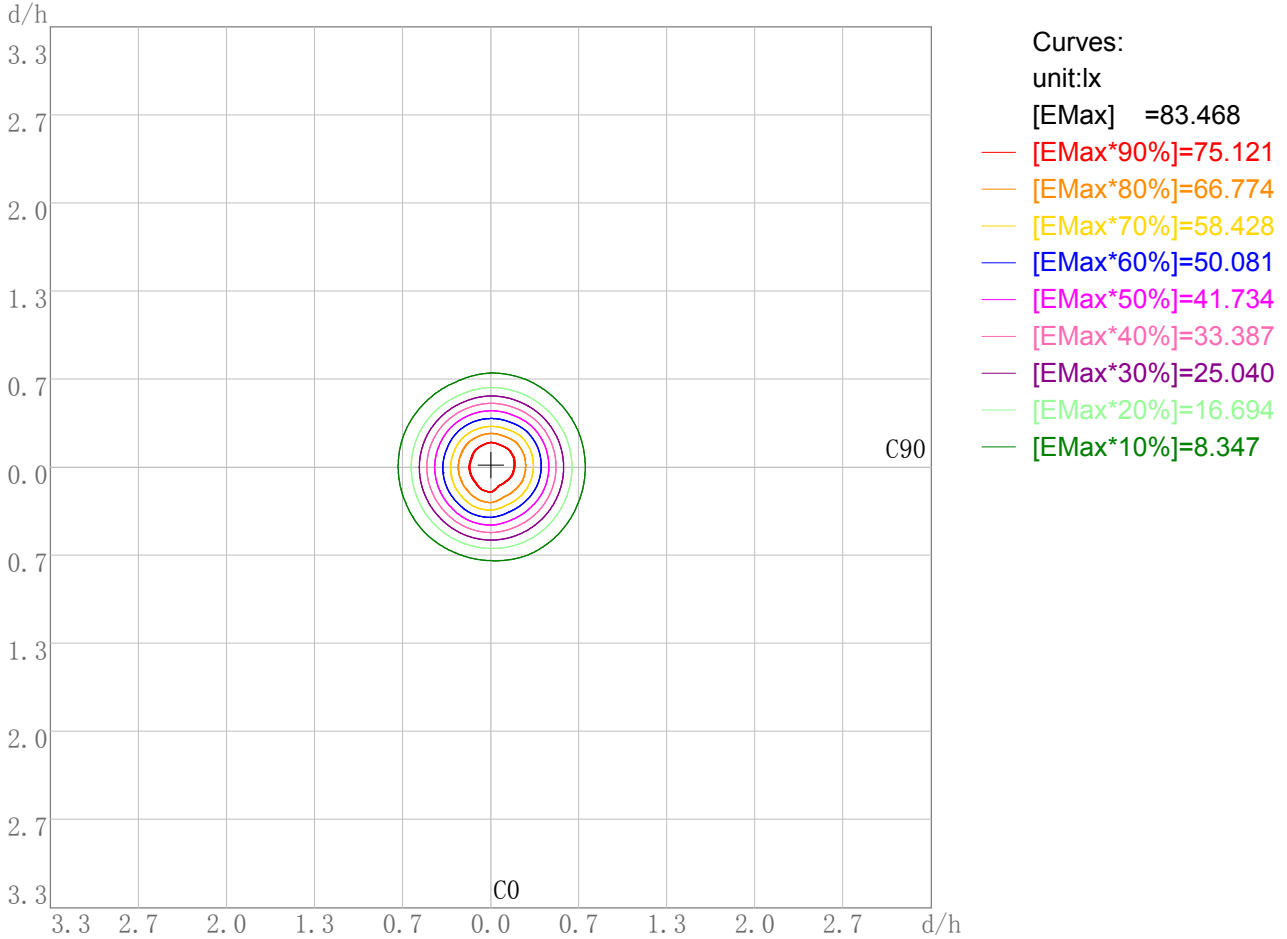
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Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

## Plane ISO-Illuminance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 83.47  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0



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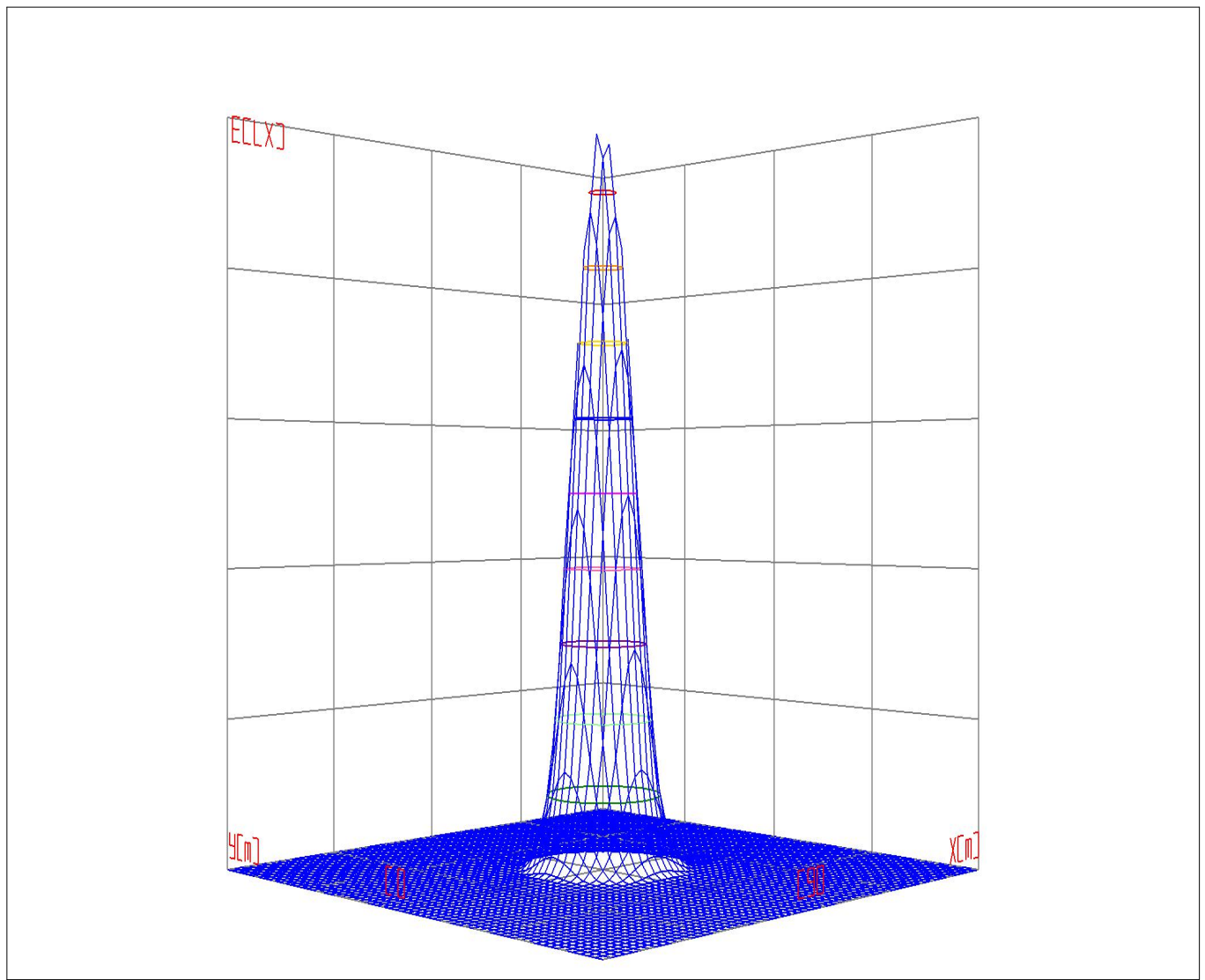
Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

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## 3D Plane ISO Illuminance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29

### 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

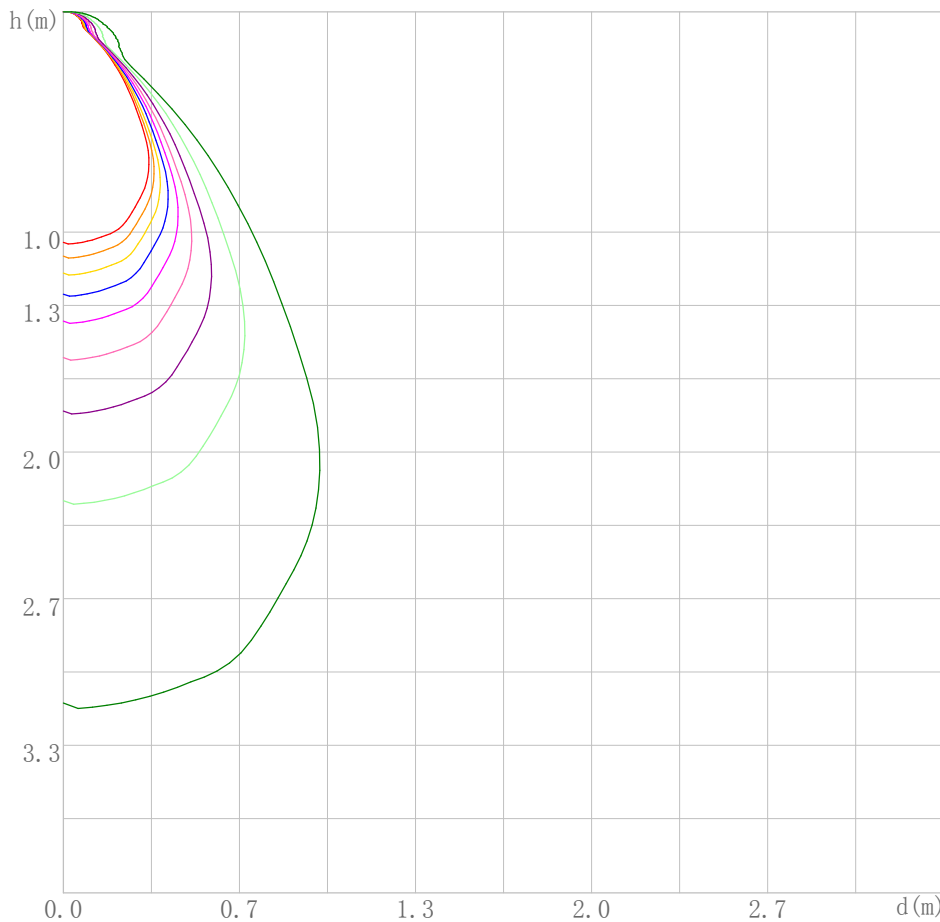
Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

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## Space ISO Illuminance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:750.36lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:750.698cd,0deg

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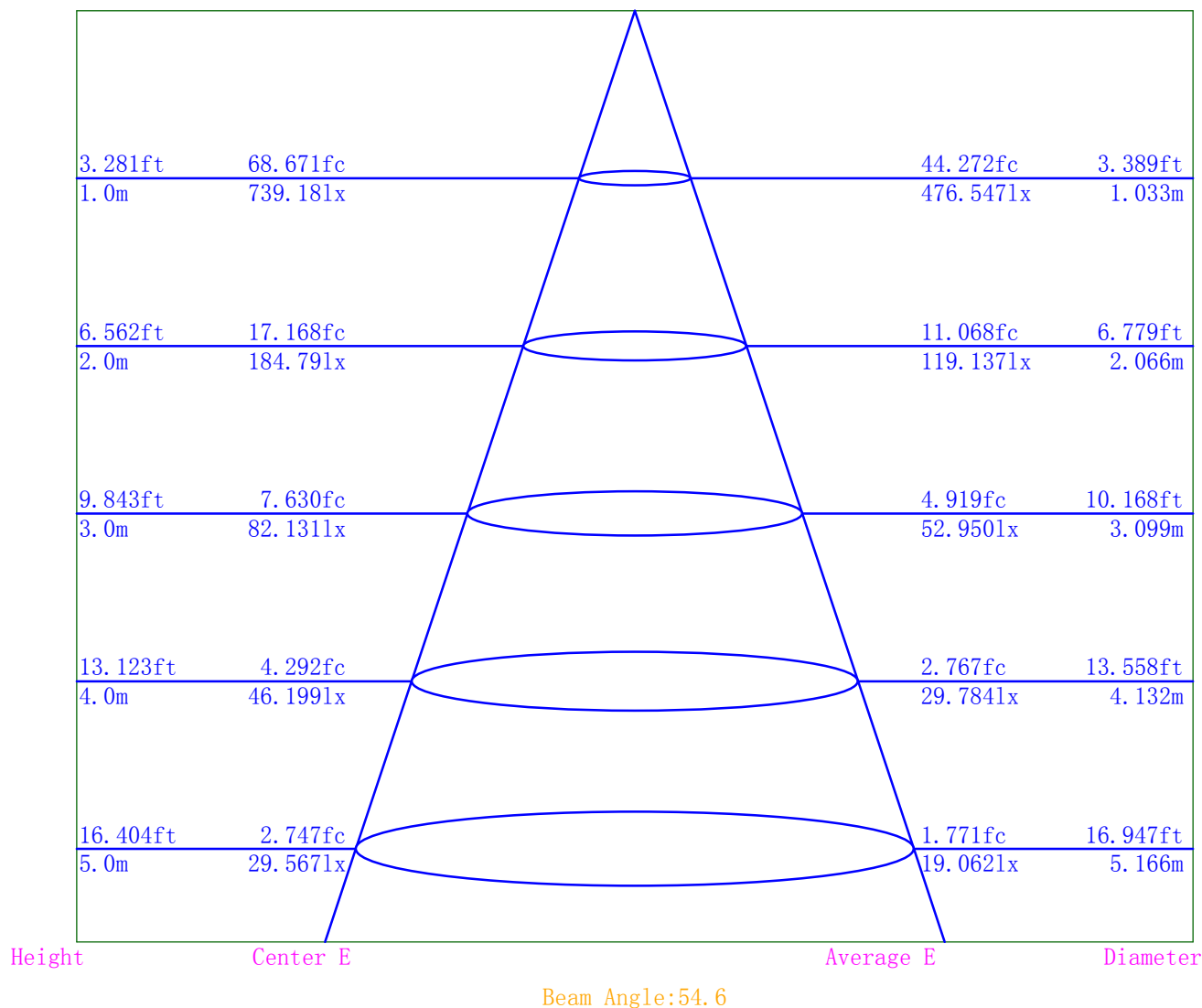
# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

## Illuminance-Distance Diagram

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/06/29

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

## Indoor Luminance Limiting Curves

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/06/29

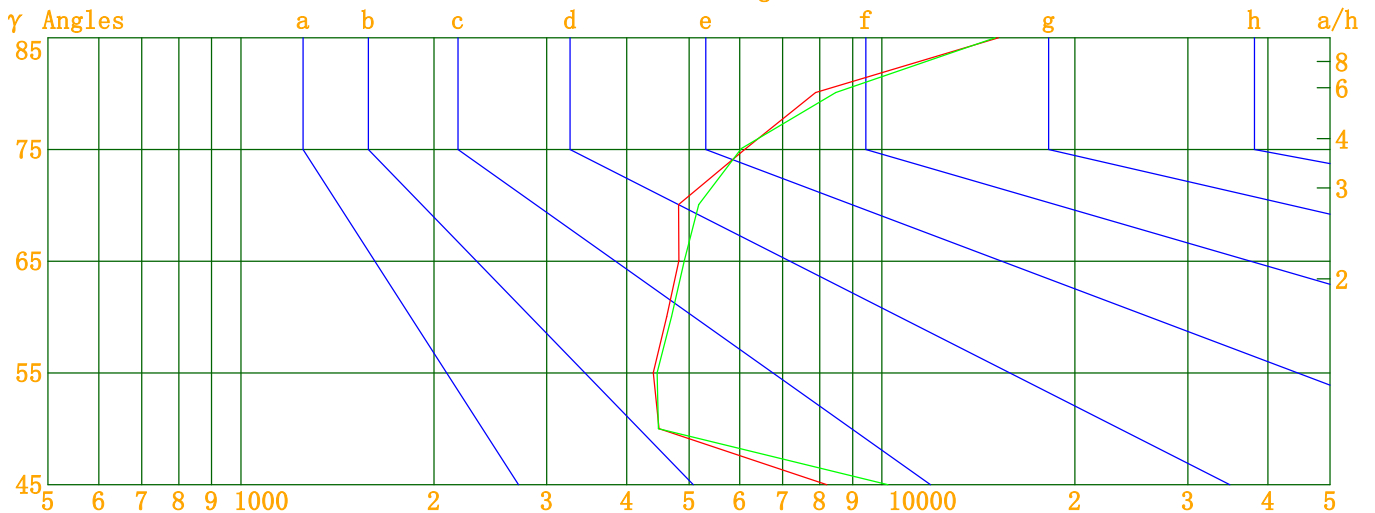
Glare Grade Table

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	8202	4488	4399	4616	4824	4815	6130	7879	15192
C90	10223	4481	4460	4699	4916	5179	6036	8474	15021

Luminance Limiting Curve



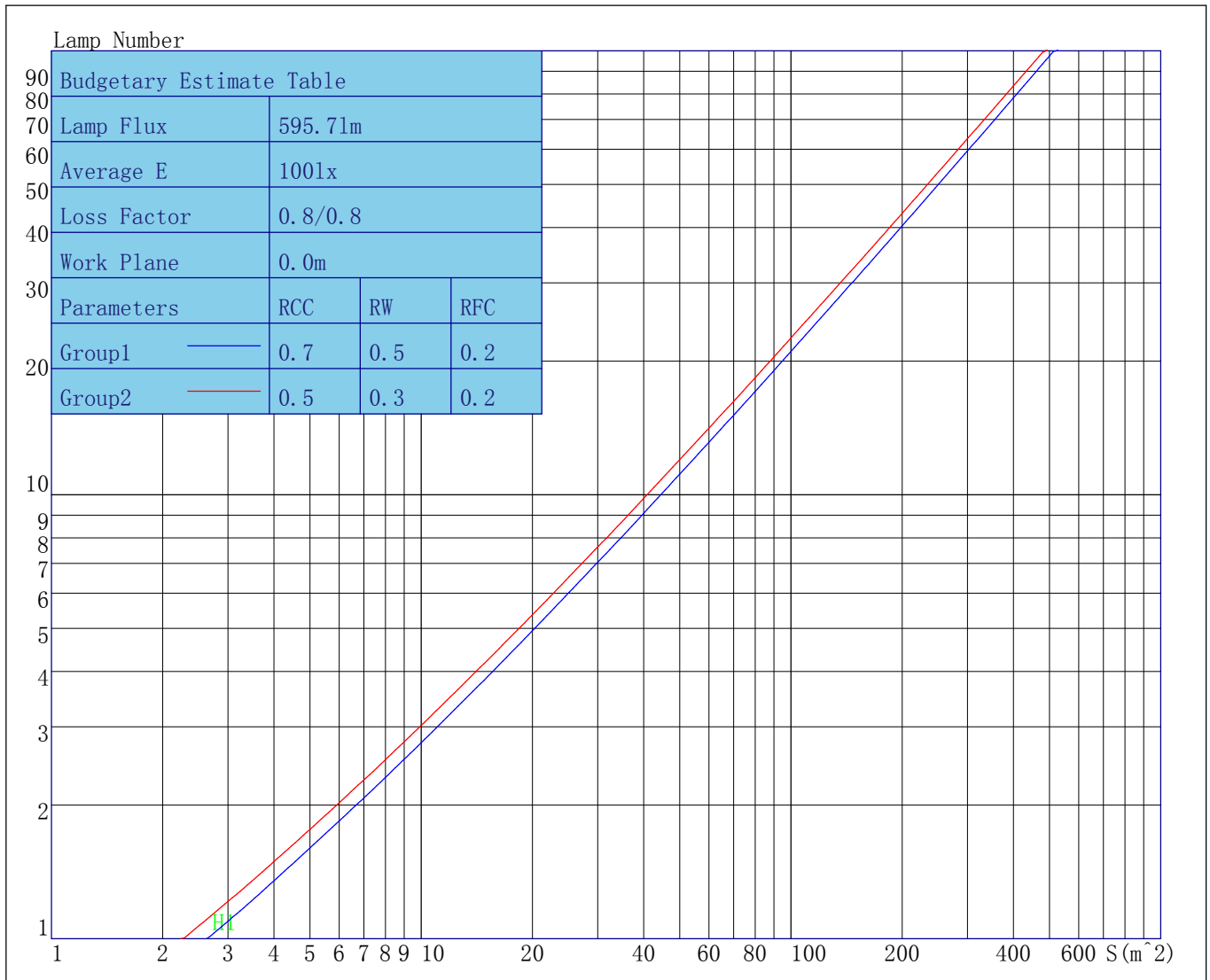
Luminous Size: Length(m)=-0.066 Width(m)=-0.066 Height(m)=0.000 Area(m^2)=0.003421  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

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Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

## Indoor Budgetary Estimate Table

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/06/29



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 8W 1202C9 3090 ZHT35-60D 200.IES

## Indoor Coefficient of Utilization Table

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/06/29

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	98	97	96	95	93	92	90
2	107	102	98	95	105	100	97	93	96	93	91	93	91	88	90	88	86	84
3	102	95	91	87	100	94	89	86	91	87	84	88	85	82	85	83	81	79
4	97	89	84	80	95	88	83	79	86	81	78	83	80	77	81	78	75	74
5	92	84	78	74	90	83	78	74	81	76	73	79	75	72	77	74	71	69
6	88	79	73	69	86	78	73	69	76	72	68	75	71	67	73	69	67	65
7	84	75	69	65	82	74	68	64	72	67	64	71	67	63	70	66	63	61
8	80	71	65	61	78	70	64	61	69	64	60	67	63	60	66	62	59	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	63	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	53	60	56	53	52

# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.IES

## Unified Glare Rating Table

Lum. Name: AW12540	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1202C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/06/29

## 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	16.5	17.4	16.9	17.8	18.2	17.0	18.0	17.5	18.4	18.8
	Y=3H	16.6	17.4	17.0	17.8	18.3	17.2	18.1	17.7	18.5	18.9
	Y=4H	16.8	17.6	17.3	18.0	18.4	17.5	18.2	17.9	18.6	19.1
	Y=6H	17.2	17.9	17.6	18.3	18.8	17.8	18.5	18.3	19.0	19.5
	Y=8H	17.5	18.1	18.0	18.6	19.1	18.1	18.8	18.6	19.2	19.7
	Y=12H	17.9	18.5	18.4	19.0	19.5	18.5	19.2	19.0	19.6	20.1
X=4H	Y=2H	16.3	17.0	16.7	17.4	17.9	16.9	17.7	17.4	18.1	18.5
	Y=3H	16.5	17.1	17.0	17.6	18.1	17.2	17.9	17.7	18.3	18.8
	Y=4H	16.8	17.4	17.3	17.9	18.4	17.6	18.2	18.1	18.7	19.2
	Y=6H	17.4	17.9	17.9	18.4	18.9	18.3	18.7	18.8	19.2	19.8
	Y=8H	17.8	18.3	18.4	18.8	19.3	18.7	19.1	19.2	19.7	20.2
	Y=12H	18.5	18.9	19.0	19.4	20.0	19.3	19.7	19.8	20.2	20.8
X=8H	Y=4H	16.8	17.3	17.4	17.8	18.3	17.7	18.2	18.3	18.7	19.2
	Y=6H	17.6	18.0	18.2	18.5	19.1	18.6	19.0	19.2	19.5	20.1
	Y=8H	18.2	18.5	18.8	19.1	19.7	19.2	19.6	19.8	20.1	20.7
	Y=12H	19.1	19.4	19.7	19.9	20.6	20.1	20.4	20.7	20.9	21.6
X=12H	Y=4H	16.8	17.2	17.4	17.8	18.3	17.7	18.1	18.3	18.7	19.2
	Y=6H	17.7	18.0	18.3	18.5	19.1	18.7	19.0	19.3	19.6	20.2
	Y=8H	18.4	18.6	18.9	19.2	19.8	19.5	19.7	20.0	20.3	20.9
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	0.2/-0.4					0.1/-0.1					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	2.0					2.3					

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

# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.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	739.18	739.18	739.18	739.18	739.18	739.18	739.18	739.18	739.18	739.18	739.18	739.18
γ 1.0	750.70	747.55	742.24	740.72	736.34	732.58	730.71	730.12	751.56	748.60	740.70	738.66
γ 2.0	748.88	746.06	742.27	740.43	735.79	731.92	728.96	728.32	750.68	747.88	738.72	736.28
γ 3.0	746.90	743.89	741.29	739.25	734.67	730.59	726.51	725.61	748.84	746.19	735.74	733.52
γ 4.0	744.00	741.07	739.64	737.66	732.77	728.62	723.24	722.20	746.57	743.52	732.06	730.23
γ 5.0	740.53	737.70	737.61	735.34	730.14	725.90	719.50	718.36	743.25	740.19	728.20	726.33
γ 6.0	736.77	733.85	734.80	732.54	726.76	722.16	715.14	713.70	739.44	736.46	723.50	722.11
γ 7.0	731.86	729.25	731.32	729.06	722.54	718.02	710.17	708.58	735.13	731.83	718.66	717.36
γ 8.0	726.52	724.30	727.09	724.72	717.89	713.44	704.72	702.62	729.56	726.33	712.78	711.53
γ 9.0	721.03	718.88	722.49	719.72	712.53	707.86	698.34	696.24	723.24	719.99	705.78	705.06
γ 10.0	716.63	712.51	717.34	714.56	706.54	701.83	691.41	688.90	716.46	712.82	698.27	697.14
γ 11.0	710.56	704.22	710.91	708.32	700.07	694.91	683.92	681.02	708.87	704.45	690.11	688.94
γ 12.0	700.46	694.19	702.61	700.65	692.60	687.27	675.76	672.45	700.24	695.20	680.57	679.22
γ 13.0	687.08	682.09	692.63	691.27	683.71	678.59	666.64	662.93	690.23	685.03	670.21	667.36
γ 14.0	668.96	666.42	680.73	679.96	673.35	668.59	656.19	652.03	678.83	673.16	658.12	653.92
γ 15.0	647.74	648.46	666.52	666.11	660.53	656.12	644.11	639.54	665.72	659.43	644.36	638.87
γ 16.0	627.15	629.52	650.34	649.28	643.92	640.98	629.13	624.37	649.97	644.34	628.87	621.80
γ 17.0	607.18	610.62	632.48	630.67	624.60	619.94	610.51	606.03	630.92	627.16	610.80	602.92
γ 18.0	587.98	592.24	613.61	612.83	605.52	599.15	589.32	584.85	609.56	607.98	591.04	583.81
γ 19.0	569.58	573.88	594.70	594.53	587.03	579.31	567.58	563.50	587.76	587.86	570.62	564.66
γ 20.0	551.50	554.42	574.59	575.52	568.45	560.16	546.41	543.12	566.79	566.89	549.79	545.25
γ 21.0	532.32	533.98	554.03	555.83	549.45	540.96	525.71	523.73	545.71	545.48	528.90	524.98
γ 22.0	511.11	511.73	531.29	534.41	529.46	521.35	505.74	504.23	524.86	523.75	507.07	503.79
γ 23.0	488.22	488.07	507.04	510.12	506.83	499.64	485.82	484.37	503.06	500.33	484.55	481.28
γ 24.0	463.18	462.82	480.40	483.16	480.98	475.58	464.51	462.92	479.26	475.26	460.02	457.66
γ 25.0	436.58	436.09	452.27	455.39	452.93	448.01	440.59	439.60	452.65	448.00	433.88	432.16
γ 26.0	408.04	407.96	422.49	425.98	423.28	419.34	414.98	414.05	424.50	418.46	406.51	404.80
γ 27.0	377.69	377.70	391.33	395.18	393.35	390.12	387.70	387.00	393.70	388.19	377.53	375.84
γ 28.0	344.68	344.93	357.62	363.06	362.32	359.69	358.92	358.75	362.80	356.81	347.40	345.00
γ 29.0	309.47	310.73	321.58	329.30	329.18	328.33	329.44	329.19	329.59	324.30	315.69	311.53
γ 30.0	275.05	276.56	285.32	293.71	294.65	295.14	298.37	298.75	296.05	289.78	282.81	276.51
γ 31.0	243.30	244.81	250.05	258.35	260.16	260.99	266.13	267.60	261.76	254.33	248.68	241.50
γ 32.0	215.27	216.49	218.80	225.79	227.16	227.25	233.78	235.45	226.87	219.51	215.03	208.97
γ 33.0	190.92	191.88	191.67	197.26	197.59	197.46	203.33	204.89	194.18	187.53	185.54	180.72
γ 34.0	168.97	170.36	167.85	172.70	171.95	171.50	176.74	177.98	165.91	160.28	160.38	156.01
γ 35.0	148.97	150.35	146.55	150.69	149.77	149.20	154.17	155.28	142.09	136.60	138.85	134.94
γ 36.0	130.65	131.65	127.32	130.87	130.31	129.63	134.36	135.56	121.73	116.29	120.03	116.48
γ 37.0	113.02	114.57	109.43	112.79	112.53	112.31	116.99	117.78	103.94	98.98	103.27	99.93
γ 38.0	97.61	98.94	93.66	96.75	96.43	96.21	101.04	101.86	87.72	83.42	87.92	84.48
γ 39.0	83.85	85.02	79.70	82.56	82.15	82.11	86.52	87.38	73.54	69.76	74.07	71.04
γ 40.0	71.02	72.28	67.24	69.75	69.72	70.13	74.08	74.83	61.41	58.37	62.08	59.50
γ 41.0	59.04	60.26	55.93	58.63	59.08	59.38	63.17	63.95	51.50	48.60	51.95	49.56
γ 42.0	47.79	48.98	45.53	48.40	49.55	49.81	53.44	54.04	42.40	40.06	42.83	40.63
γ 43.0	37.25	38.10	36.06	38.88	40.39	41.16	44.87	45.14	34.40	32.41	34.65	32.37
γ 44.0	27.65	28.48	27.48	30.19	31.91	33.45	37.00	37.12	27.57	25.49	27.20	24.90
γ 45.0	19.84	20.82	20.40	22.70	24.73	25.84	29.27	29.80	20.93	19.32	20.35	18.15
γ 46.0	14.09	15.07	14.66	16.70	18.44	19.46	22.38	22.97	15.15	14.13	14.14	12.36



# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.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	11.07	11.83	11.45	12.44	13.75	14.66	16.78	17.19	10.49	9.56	9.01	7.85
γ 48.0	10.40	10.37	10.10	10.62	11.25	11.51	12.93	13.08	7.10	6.34	5.88	5.39
γ 49.0	9.95	9.97	9.54	9.99	10.25	10.32	10.65	10.59	5.38	5.02	4.65	4.49
γ 50.0	9.87	9.62	9.09	9.67	9.85	9.63	9.63	9.90	4.50	4.20	4.36	4.42
γ 51.0	9.25	9.38	8.75	9.38	9.65	9.72	9.32	9.59	4.57	4.01	4.12	4.16
γ 52.0	8.99	9.29	8.56	8.96	9.46	9.15	9.12	9.36	4.31	3.85	3.80	3.91
γ 53.0	8.60	8.77	8.29	8.93	9.37	8.87	9.06	9.22	3.91	3.63	3.63	3.63
γ 54.0	8.64	8.51	8.32	8.58	9.02	8.93	8.93	9.01	3.94	3.63	3.74	3.43
γ 55.0	8.63	8.31	8.06	8.18	8.75	8.57	8.66	8.79	4.11	3.61	3.66	3.44
γ 56.0	8.56	8.10	7.87	8.28	8.59	8.67	8.35	8.70	3.88	3.54	3.38	3.20
γ 57.0	8.28	7.98	7.74	8.14	8.49	8.35	8.27	8.51	3.68	3.43	3.28	3.30
γ 58.0	8.31	7.88	7.89	7.98	8.26	8.16	8.21	8.22	3.49	3.26	3.32	3.13
γ 59.0	7.80	7.73	7.80	7.72	8.01	8.19	8.20	8.22	3.55	3.06	3.30	3.11
γ 60.0	7.90	7.59	7.74	7.51	8.04	7.91	7.89	8.11	3.31	3.11	3.17	3.14
γ 61.0	7.77	7.50	7.53	7.58	7.73	7.69	7.72	7.85	3.48	2.96	3.09	2.95
γ 62.0	7.43	7.50	7.29	7.41	7.40	7.62	7.65	7.93	3.44	2.82	2.98	2.88
γ 63.0	7.40	7.30	7.23	7.15	7.39	7.70	7.44	7.93	3.35	2.75	2.87	2.85
γ 64.0	7.17	7.08	7.23	6.82	7.30	7.47	7.28	7.73	3.21	2.59	2.77	2.76
γ 65.0	6.97	6.84	6.82	6.81	7.11	7.03	7.01	7.41	3.31	2.53	2.78	2.45
γ 66.0	6.61	6.68	6.53	6.58	6.92	6.90	6.97	7.13	2.88	2.37	2.55	2.65
γ 67.0	6.26	6.43	6.34	6.25	6.76	6.55	6.78	6.67	2.55	2.05	2.37	2.27
γ 68.0	6.40	6.28	6.30	6.18	6.57	6.31	6.33	6.54	2.16	1.86	2.32	2.11
γ 69.0	6.15	6.18	6.01	6.28	6.28	6.22	5.90	6.33	2.37	1.94	2.30	1.92
γ 70.0	5.63	5.99	5.91	6.03	6.06	6.20	5.78	6.03	2.08	1.87	1.91	1.93
γ 71.0	5.68	5.95	5.73	5.78	5.89	5.89	5.61	6.01	2.03	1.63	1.99	1.92
γ 72.0	5.69	5.80	5.69	5.71	5.95	5.75	5.70	5.93	1.99	1.53	2.01	1.93
γ 73.0	5.54	5.56	5.74	5.80	5.87	5.42	5.74	5.61	1.90	1.53	2.22	1.62
γ 74.0	5.35	5.45	5.35	5.60	5.61	5.41	5.61	5.65	1.98	1.51	1.96	1.87
γ 75.0	5.43	5.50	5.25	5.61	5.34	5.26	5.39	5.58	1.92	1.44	1.80	1.50
γ 76.0	5.31	5.49	5.24	5.43	5.13	4.98	5.30	5.53	1.84	1.51	1.56	1.69
γ 77.0	5.13	5.24	4.98	5.05	5.19	5.18	5.20	5.28	1.77	1.71	1.46	1.69
γ 78.0	4.97	5.02	4.82	5.09	5.16	4.96	5.13	5.26	2.03	1.64	1.57	1.51
γ 79.0	4.84	4.94	4.90	4.85	5.10	5.22	5.04	5.27	1.78	1.68	1.63	1.63
γ 80.0	4.68	4.85	4.77	4.88	5.03	4.66	4.86	5.13	1.75	1.58	1.54	1.51
γ 81.0	4.69	4.77	4.79	4.91	4.81	4.72	4.73	5.00	1.89	1.53	1.66	1.76
γ 82.0	4.62	4.63	4.88	4.60	4.75	4.61	4.61	4.88	2.00	1.57	1.48	1.69
γ 83.0	4.50	4.55	4.54	4.60	4.65	4.57	4.69	4.82	2.10	1.67	1.50	1.57
γ 84.0	4.49	4.43	4.55	4.58	4.51	4.36	4.64	4.59	1.78	1.58	1.40	1.80
γ 85.0	4.53	4.39	4.61	4.38	4.48	4.24	4.17	4.27	1.96	1.76	1.39	1.96
γ 86.0	4.19	4.41	4.38	4.20	4.36	4.15	4.05	4.30	2.14	1.76	1.55	2.03
γ 87.0	4.48	4.45	4.52	4.40	4.30	4.22	4.11	4.36	1.83	1.88	1.54	1.82
γ 88.0	4.32	4.41	4.39	3.83	4.22	4.11	4.00	4.41	2.09	2.09	1.66	1.94
γ 89.0	4.00	4.14	4.22	3.94	4.28	3.92	3.90	4.48	2.13	2.15	1.83	1.93
γ 90.0	3.90	4.08	4.28	4.09	4.31	3.88	4.03	4.45	2.20	2.25	1.75	1.93
γ 91.0	3.77	4.19	4.30	3.70	4.21	3.96	3.77	4.25	2.37	2.18	2.05	2.04
γ 92.0	3.70	4.05	4.13	3.70	3.98	3.80	3.68	4.11	2.20	2.12	2.52	2.26
γ 93.0	3.80	3.92	3.76	3.62	3.90	3.72	3.92	4.29	2.33	2.33	1.93	2.13

# IES Indoor Report

Photometric Filename:AW12540 8W 1202C9 3090 ZHT35-60D 200.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	3.80	3.77	3.76	3.57	3.74	3.50	4.10	4.43	2.02	2.33	1.94	2.07
γ 95.0	3.52	3.61	3.81	3.59	3.59	3.56	3.94	3.96	2.20	2.31	1.91	2.16
γ 96.0	3.30	3.71	3.64	3.41	3.45	3.79	3.85	3.84	2.35	2.36	1.99	1.88
γ 97.0	3.42	3.71	3.53	3.23	3.67	3.60	3.93	3.89	2.33	2.36	2.18	2.06
γ 98.0	3.28	3.54	3.61	3.50	3.72	3.62	3.77	3.80	2.34	2.27	2.05	1.96
γ 99.0	3.30	3.54	3.59	3.31	3.60	3.58	3.50	3.79	2.33	2.36	2.13	2.12
γ 100.0	3.53	3.56	3.55	3.52	3.70	3.56	3.57	3.80	2.23	2.40	2.01	2.03
γ 101.0	3.35	3.51	3.42	3.88	3.53	3.52	3.45	3.70	2.60	2.42	2.06	2.01
γ 102.0	3.38	3.35	3.39	3.61	3.47	3.38	3.31	3.46	2.42	2.50	2.21	2.22
γ 103.0	3.38	3.27	3.37	3.42	3.56	3.27	3.53	3.48	2.17	2.47	1.99	1.95
γ 104.0	3.08	3.44	3.40	3.42	3.41	3.29	3.44	3.33	2.41	2.29	2.11	2.46
γ 105.0	2.78	3.49	3.26	3.17	3.36	3.32	3.21	3.24	2.54	2.53	2.16	2.22
γ 106.0	3.02	3.27	3.31	2.98	3.21	3.19	3.29	3.26	2.58	2.71	1.93	2.48
γ 107.0	2.88	3.05	3.37	3.19	3.10	3.17	3.09	3.44	2.27	2.65	2.25	2.40
γ 108.0	2.83	2.97	3.42	3.28	3.25	3.17	3.09	3.25	2.30	2.47	2.21	2.39
γ 109.0	3.16	3.07	3.13	3.24	3.18	3.16	2.99	3.14	2.45	2.46	2.05	2.44
γ 110.0	3.05	3.17	3.34	3.18	2.97	2.96	3.08	3.19	2.36	2.54	2.39	2.57
γ 111.0	2.99	3.22	3.05	2.96	2.90	3.22	3.15	2.99	2.25	2.44	2.52	2.54
γ 112.0	3.04	3.17	2.89	2.83	2.89	3.37	2.83	3.06	2.41	2.42	2.42	2.44
γ 113.0	3.16	3.09	3.01	2.97	2.94	3.30	2.87	3.05	2.22	2.55	2.37	2.54
γ 114.0	2.98	2.98	3.07	2.88	2.90	3.13	2.82	3.00	2.52	2.52	2.47	2.64
γ 115.0	2.82	2.89	3.23	3.07	2.87	3.07	2.70	3.10	2.29	2.53	2.33	2.44
γ 116.0	2.99	2.82	3.06	2.92	2.89	3.10	2.71	2.90	2.38	2.80	2.22	2.49
γ 117.0	3.00	2.81	2.85	2.96	2.92	3.22	2.71	2.93	2.52	2.85	2.39	2.55
γ 118.0	2.66	2.92	3.09	2.74	2.76	3.09	2.74	2.84	2.67	2.74	2.34	2.47
γ 119.0	2.73	2.95	3.09	2.80	2.70	3.12	2.87	2.97	2.62	2.67	2.45	2.38
γ 120.0	2.94	2.96	3.12	2.66	2.78	3.23	2.73	3.06	2.31	2.61	2.48	2.41
γ 121.0	2.96	2.93	3.37	2.58	2.79	3.14	2.68	2.91	2.55	2.61	2.65	2.45
γ 122.0	2.72	2.87	3.11	2.70	2.87	3.00	2.66	2.94	2.66	2.71	2.56	2.33
γ 123.0	2.83	2.74	2.93	2.50	2.82	3.09	2.67	3.05	2.45	2.75	2.47	2.64
γ 124.0	2.80	2.87	3.07	2.66	2.88	3.27	2.81	2.93	2.63	2.73	2.42	2.56
γ 125.0	2.74	2.94	3.06	2.92	2.81	2.98	2.78	3.04	2.58	2.74	2.64	2.69
γ 126.0	3.04	2.77	3.04	2.98	2.67	2.90	2.63	3.04	2.28	2.68	2.62	2.65
γ 127.0	2.94	2.71	3.12	2.82	2.83	3.09	2.56	2.98	2.59	2.63	2.51	2.66
γ 128.0	2.82	2.80	2.94	3.02	2.92	3.24	2.64	3.03	2.92	2.67	2.54	2.63
γ 129.0	2.94	2.92	2.96	3.00	2.78	3.26	2.85	2.93	2.98	2.66	2.29	2.55
γ 130.0	2.85	2.93	2.82	2.78	2.83	3.06	2.96	3.06	2.79	2.79	2.57	2.65
γ 131.0	2.90	2.98	2.94	2.69	2.92	3.27	2.77	3.08	2.72	2.86	2.78	2.70
γ 132.0	2.83	2.99	3.04	2.62	2.85	3.05	2.83	3.07	2.61	2.81	2.65	2.92
γ 133.0	2.94	2.88	3.15	2.81	2.83	2.91	2.90	2.85	2.83	2.85	2.70	2.82
γ 134.0	2.98	2.72	3.06	2.74	2.80	3.07	2.75	2.73	2.91	2.91	2.72	2.89
γ 135.0	3.21	2.81	2.88	2.81	2.82	3.16	2.68	2.84	2.70	2.75	2.86	2.92
γ 136.0	2.93	2.98	2.81	2.83	2.91	3.18	2.87	2.94	2.55	2.80	2.92	2.79
γ 137.0	3.01	3.05	2.90	2.77	2.98	3.23	2.96	3.20	2.93	2.69	2.99	2.73
γ 138.0	3.17	2.93	3.18	2.98	2.96	3.26	2.94	3.23	2.89	2.64	2.99	2.81
γ 139.0	3.25	3.01	3.06	2.77	2.81	3.11	2.97	3.31	2.76	2.82	2.99	2.96
γ 140.0	3.26	3.02	3.26	3.05	2.87	3.08	2.87	3.31	2.94	3.02	3.05	2.93

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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. 14	3. 03	3. 54	3. 31	2. 95	2. 98	2. 92	3. 24	2. 94	3. 11	2. 75	3. 02
γ 142. 0	3. 27	3. 04	3. 22	2. 91	3. 07	3. 14	2. 94	3. 14	3. 01	3. 04	2. 98	3. 22
γ 143. 0	3. 26	3. 02	3. 42	2. 82	3. 32	2. 99	3. 01	3. 16	2. 98	3. 03	3. 22	3. 19
γ 144. 0	2. 93	3. 11	3. 24	2. 89	3. 40	3. 07	3. 12	3. 29	2. 85	2. 89	3. 15	3. 15
γ 145. 0	3. 09	3. 09	3. 32	2. 91	3. 23	3. 29	3. 16	3. 30	2. 92	2. 83	3. 23	3. 16
γ 146. 0	3. 24	2. 96	3. 49	3. 17	3. 36	3. 24	3. 07	3. 28	3. 11	3. 00	3. 08	3. 29
γ 147. 0	3. 27	3. 13	3. 61	3. 29	3. 49	2. 96	3. 15	3. 55	3. 02	3. 16	3. 24	3. 27
γ 148. 0	3. 36	3. 24	3. 44	3. 04	3. 50	3. 39	3. 19	3. 51	3. 15	3. 23	3. 27	3. 18
γ 149. 0	3. 40	3. 03	3. 42	2. 95	3. 54	3. 54	3. 38	3. 56	3. 33	3. 27	3. 31	3. 24
γ 150. 0	3. 32	2. 92	3. 19	3. 00	3. 48	3. 30	3. 31	3. 57	3. 26	3. 32	3. 20	3. 19
γ 151. 0	3. 36	3. 03	3. 26	3. 13	3. 57	3. 43	3. 23	3. 45	3. 39	3. 35	3. 27	3. 46
γ 152. 0	3. 31	3. 16	3. 26	3. 13	3. 48	3. 55	3. 33	3. 51	3. 43	3. 58	3. 38	3. 47
γ 153. 0	3. 32	3. 21	3. 21	3. 20	3. 24	3. 31	3. 32	3. 72	3. 84	3. 78	3. 48	3. 58
γ 154. 0	3. 34	3. 28	3. 36	3. 15	3. 43	3. 81	3. 27	3. 82	4. 26	3. 84	3. 58	3. 55
γ 155. 0	3. 24	3. 36	3. 49	3. 53	3. 64	3. 58	3. 22	3. 58	4. 60	3. 85	3. 61	3. 67
γ 156. 0	3. 25	3. 35	3. 37	3. 63	3. 52	3. 61	3. 19	3. 46	4. 90	3. 96	3. 48	3. 71
γ 157. 0	3. 62	3. 44	3. 57	3. 57	3. 56	3. 67	3. 32	3. 54	4. 51	3. 90	3. 43	3. 66
γ 158. 0	3. 59	3. 44	3. 51	3. 74	3. 70	3. 78	3. 45	3. 64	4. 13	3. 88	3. 47	3. 79
γ 159. 0	3. 67	3. 54	3. 67	3. 70	3. 59	3. 58	3. 48	3. 61	3. 67	3. 62	3. 64	3. 66
γ 160. 0	3. 58	3. 55	3. 72	3. 61	3. 53	3. 48	3. 50	3. 72	3. 60	3. 44	3. 70	3. 39
γ 161. 0	3. 71	3. 69	3. 77	3. 71	3. 72	3. 78	3. 64	3. 58	3. 87	3. 72	3. 95	3. 54
γ 162. 0	3. 68	3. 91	3. 80	3. 65	3. 67	3. 62	3. 82	3. 48	3. 47	3. 81	4. 07	3. 73
γ 163. 0	3. 88	3. 90	3. 76	3. 53	3. 69	3. 76	3. 68	3. 64	3. 34	3. 81	3. 82	3. 74
γ 164. 0	3. 63	3. 88	3. 78	3. 66	3. 68	3. 72	3. 69	3. 90	3. 50	3. 68	3. 99	3. 36
γ 165. 0	3. 62	3. 84	3. 92	3. 73	3. 58	3. 96	3. 67	3. 72	3. 56	3. 73	3. 77	3. 70
γ 166. 0	3. 79	3. 83	3. 82	3. 95	3. 68	3. 98	3. 58	3. 82	3. 59	3. 66	3. 62	3. 65
γ 167. 0	3. 82	3. 88	3. 82	3. 84	3. 84	3. 79	3. 64	3. 84	3. 77	3. 79	3. 72	3. 91
γ 168. 0	3. 86	3. 83	3. 93	3. 77	3. 78	3. 78	3. 66	3. 73	3. 84	3. 75	3. 68	3. 70
γ 169. 0	3. 81	3. 98	4. 02	4. 23	3. 60	3. 67	3. 54	3. 61	3. 84	3. 67	3. 63	3. 70
γ 170. 0	3. 82	3. 93	4. 04	4. 22	3. 76	3. 68	3. 66	3. 66	4. 05	3. 76	3. 56	3. 97
γ 171. 0	4. 06	3. 90	4. 09	3. 75	3. 82	3. 86	3. 69	3. 94	4. 08	3. 76	3. 64	3. 91
γ 172. 0	3. 94	3. 96	3. 95	4. 02	3. 71	4. 18	3. 79	3. 86	4. 15	3. 88	3. 62	3. 72
γ 173. 0	3. 94	3. 88	4. 10	3. 98	3. 85	3. 90	3. 78	3. 68	3. 84	3. 94	3. 60	4. 09
γ 174. 0	4. 21	4. 07	4. 22	4. 21	3. 92	3. 80	3. 79	3. 84	4. 07	3. 87	3. 70	4. 16
γ 175. 0	4. 24	4. 07	4. 13	4. 01	3. 96	4. 15	3. 75	3. 89	3. 95	3. 84	3. 64	3. 98
γ 176. 0	4. 28	4. 07	3. 87	4. 09	3. 96	3. 91	3. 76	3. 84	4. 18	3. 75	3. 68	3. 93
γ 177. 0	4. 09	4. 05	4. 08	4. 00	3. 89	3. 98	3. 89	3. 77	4. 06	3. 80	4. 03	3. 96
γ 178. 0	3. 98	3. 93	3. 94	4. 20	3. 95	4. 25	3. 83	3. 90	4. 21	4. 13	3. 94	4. 06
γ 179. 0	4. 03	3. 84	3. 92	3. 85	4. 03	3. 82	3. 67	4. 04	4. 06	4. 09	4. 08	4. 10
γ 180. 0	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91	3. 91
V/H	C270. 0	C292. 5	C315. 0	C337. 5								
γ 0. 0	739. 18	739. 18	739. 18	739. 18								
γ 1. 0	735. 08	731. 60	732. 10	732. 22								
γ 2. 0	733. 25	730. 35	731. 82	732. 16								
γ 3. 0	730. 74	728. 48	730. 86	731. 33								
γ 4. 0	727. 77	725. 87	729. 21	730. 16								
γ 5. 0	724. 52	722. 86	727. 05	728. 33								

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
γ 6. 0	720. 81	718. 75	724. 17	726. 34
γ 7. 0	716. 47	714. 71	720. 79	723. 42
γ 8. 0	711. 63	710. 34	717. 11	719. 79
γ 9. 0	705. 97	704. 87	712. 57	715. 36
γ 10. 0	699. 40	698. 73	707. 03	710. 18
γ 11. 0	691. 10	691. 19	699. 90	703. 12
γ 12. 0	681. 09	681. 53	690. 45	693. 83
γ 13. 0	668. 99	668. 40	679. 07	680. 78
γ 14. 0	654. 99	655. 22	664. 19	663. 38
γ 15. 0	638. 51	637. 88	645. 16	643. 35
γ 16. 0	619. 10	617. 59	624. 41	622. 88
γ 17. 0	599. 01	596. 48	604. 29	604. 16
γ 18. 0	579. 47	576. 57	585. 34	586. 15
γ 19. 0	560. 95	557. 55	566. 84	568. 67
γ 20. 0	542. 38	539. 44	548. 51	550. 48
γ 21. 0	523. 29	520. 77	529. 57	530. 97
γ 22. 0	503. 54	501. 50	509. 06	509. 25
γ 23. 0	482. 84	481. 67	486. 82	485. 38
γ 24. 0	460. 59	459. 48	462. 58	459. 74
γ 25. 0	436. 14	435. 91	435. 61	432. 04
γ 26. 0	408. 91	408. 27	406. 14	401. 92
γ 27. 0	379. 30	378. 41	374. 11	369. 75
γ 28. 0	346. 64	344. 95	339. 69	334. 76
γ 29. 0	311. 74	309. 41	303. 15	298. 44
γ 30. 0	276. 07	273. 27	267. 15	263. 20
γ 31. 0	241. 53	239. 74	233. 93	230. 77
γ 32. 0	209. 95	209. 21	204. 37	201. 67
γ 33. 0	182. 25	182. 49	178. 45	176. 65
γ 34. 0	158. 53	159. 78	155. 69	154. 80
γ 35. 0	137. 86	139. 58	135. 18	134. 90
γ 36. 0	119. 16	120. 60	116. 25	116. 35
γ 37. 0	102. 03	103. 76	99. 11	99. 32
γ 38. 0	86. 51	87. 92	83. 87	84. 25
γ 39. 0	72. 72	73. 90	70. 35	70. 39
γ 40. 0	60. 78	61. 77	58. 26	58. 42
γ 41. 0	50. 30	50. 34	47. 00	46. 99
γ 42. 0	40. 62	40. 67	36. 77	36. 26
γ 43. 0	31. 88	31. 39	27. 39	26. 64
γ 44. 0	23. 87	22. 76	18. 88	18. 23
γ 45. 0	16. 84	15. 95	11. 95	11. 40
γ 46. 0	11. 24	9. 92	7. 41	6. 93
γ 47. 0	7. 23	6. 15	5. 16	4. 97
γ 48. 0	5. 08	4. 74	4. 54	4. 54
γ 49. 0	4. 47	4. 26	4. 32	4. 43
γ 50. 0	4. 12	3. 75	4. 06	4. 00
γ 51. 0	4. 06	3. 82	3. 93	3. 94
γ 52. 0	3. 89	3. 62	3. 79	3. 85

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## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
$\gamma$ 53.0	3.76	3.66	3.87	3.80
$\gamma$ 54.0	3.73	3.35	3.77	3.65
$\gamma$ 55.0	3.51	3.23	3.55	3.51
$\gamma$ 56.0	3.40	3.42	3.62	3.31
$\gamma$ 57.0	3.39	3.59	3.55	3.19
$\gamma$ 58.0	3.44	3.25	3.34	3.23
$\gamma$ 59.0	3.46	3.09	3.27	2.96
$\gamma$ 60.0	3.26	3.27	3.13	2.89
$\gamma$ 61.0	3.26	3.13	3.05	2.87
$\gamma$ 62.0	3.12	3.10	3.01	2.63
$\gamma$ 63.0	2.90	2.97	2.87	2.47
$\gamma$ 64.0	2.89	2.47	2.56	2.27
$\gamma$ 65.0	2.67	2.41	2.35	2.11
$\gamma$ 66.0	2.61	2.13	2.33	2.08
$\gamma$ 67.0	2.58	2.18	2.33	2.08
$\gamma$ 68.0	2.28	1.75	2.20	2.09
$\gamma$ 69.0	2.02	2.19	2.27	2.02
$\gamma$ 70.0	2.03	1.82	2.27	1.80
$\gamma$ 71.0	1.95	2.10	2.08	1.89
$\gamma$ 72.0	1.75	1.89	1.98	1.83
$\gamma$ 73.0	1.72	2.16	2.19	1.85
$\gamma$ 74.0	1.87	1.84	2.17	1.69
$\gamma$ 75.0	1.98	1.87	2.10	1.68
$\gamma$ 76.0	2.16	1.92	2.09	1.65
$\gamma$ 77.0	2.08	1.68	1.96	1.69
$\gamma$ 78.0	2.07	1.99	1.96	1.78
$\gamma$ 79.0	1.96	1.63	2.02	1.62
$\gamma$ 80.0	1.97	2.04	1.85	1.87
$\gamma$ 81.0	2.03	2.13	1.91	1.93
$\gamma$ 82.0	1.95	1.90	2.04	1.74
$\gamma$ 83.0	2.03	2.08	2.01	1.97
$\gamma$ 84.0	1.97	2.16	1.93	1.79
$\gamma$ 85.0	1.85	2.16	2.02	1.62
$\gamma$ 86.0	2.02	2.02	2.04	1.63
$\gamma$ 87.0	2.08	1.93	2.02	1.72
$\gamma$ 88.0	2.23	2.03	1.97	1.84
$\gamma$ 89.0	2.16	1.95	2.11	2.02
$\gamma$ 90.0	2.11	2.22	2.24	2.11
$\gamma$ 91.0	2.17	2.08	2.08	2.09
$\gamma$ 92.0	2.40	1.98	1.95	2.12
$\gamma$ 93.0	2.47	2.20	2.10	2.07
$\gamma$ 94.0	2.41	2.14	2.33	1.96
$\gamma$ 95.0	2.47	2.43	2.35	2.12
$\gamma$ 96.0	2.58	2.34	2.41	2.29
$\gamma$ 97.0	2.61	2.24	2.33	2.23
$\gamma$ 98.0	2.47	2.34	2.40	2.19
$\gamma$ 99.0	2.40	2.30	2.41	2.04

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
γ 100. 0	2. 63	2. 30	2. 32	2. 13
γ 101. 0	2. 65	2. 26	2. 26	2. 30
γ 102. 0	2. 53	2. 05	2. 28	2. 35
γ 103. 0	2. 51	2. 33	2. 43	2. 16
γ 104. 0	2. 45	2. 28	2. 28	2. 38
γ 105. 0	2. 64	2. 41	2. 18	2. 48
γ 106. 0	2. 67	2. 47	2. 32	2. 35
γ 107. 0	2. 38	2. 51	2. 32	2. 41
γ 108. 0	2. 31	2. 38	2. 41	2. 41
γ 109. 0	2. 41	2. 45	2. 40	2. 16
γ 110. 0	2. 41	2. 35	2. 32	2. 18
γ 111. 0	2. 31	2. 29	2. 48	2. 15
γ 112. 0	2. 42	2. 44	2. 57	2. 15
γ 113. 0	2. 67	2. 56	2. 47	2. 29
γ 114. 0	2. 62	2. 56	2. 36	2. 37
γ 115. 0	2. 54	2. 47	2. 34	2. 17
γ 116. 0	2. 54	2. 41	2. 38	2. 26
γ 117. 0	2. 48	2. 87	2. 35	2. 33
γ 118. 0	2. 54	2. 48	2. 48	2. 42
γ 119. 0	2. 63	2. 45	2. 64	2. 57
γ 120. 0	2. 56	2. 47	2. 49	2. 76
γ 121. 0	2. 47	2. 70	2. 51	2. 77
γ 122. 0	2. 39	2. 66	2. 61	2. 83
γ 123. 0	2. 53	2. 61	2. 60	2. 58
γ 124. 0	2. 67	2. 82	2. 65	2. 53
γ 125. 0	2. 72	2. 77	2. 66	2. 61
γ 126. 0	2. 64	2. 77	2. 69	2. 84
γ 127. 0	2. 65	2. 68	2. 68	2. 87
γ 128. 0	2. 52	3. 02	2. 63	2. 88
γ 129. 0	2. 56	2. 93	2. 62	2. 75
γ 130. 0	2. 62	2. 91	2. 66	2. 76
γ 131. 0	2. 70	2. 83	2. 74	2. 71
γ 132. 0	2. 81	2. 83	2. 91	2. 56
γ 133. 0	2. 69	2. 86	2. 97	2. 91
γ 134. 0	2. 67	3. 12	2. 85	2. 83
γ 135. 0	2. 78	3. 11	2. 69	2. 66
γ 136. 0	2. 89	3. 25	2. 79	2. 68
γ 137. 0	2. 92	2. 83	2. 92	2. 72
γ 138. 0	2. 78	3. 38	3. 01	2. 74
γ 139. 0	2. 82	2. 82	3. 06	2. 89
γ 140. 0	2. 91	3. 05	3. 07	2. 91
γ 141. 0	2. 96	3. 19	3. 10	2. 84
γ 142. 0	2. 90	3. 07	3. 34	2. 68
γ 143. 0	2. 89	3. 18	3. 36	2. 87
γ 144. 0	3. 02	3. 15	3. 33	2. 93
γ 145. 0	3. 00	3. 64	3. 28	2. 96
γ 146. 0	3. 06	3. 45	3. 34	2. 94

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## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
γ 147.0	3.11	3.48	3.52	2.79
γ 148.0	3.03	3.57	3.51	2.97
γ 149.0	3.11	3.63	3.34	3.07
γ 150.0	3.32	3.46	3.21	2.98
γ 151.0	3.36	3.39	3.15	3.09
γ 152.0	3.40	3.17	3.25	3.17
γ 153.0	3.42	3.31	3.42	3.44
γ 154.0	3.33	3.30	3.44	3.50
γ 155.0	3.43	3.47	3.44	3.44
γ 156.0	3.47	3.32	3.45	3.51
γ 157.0	3.53	3.52	3.34	3.51
γ 158.0	3.49	3.25	3.32	3.42
γ 159.0	3.34	3.57	3.36	3.54
γ 160.0	3.52	3.38	3.38	3.50
γ 161.0	3.58	3.47	3.25	3.38
γ 162.0	3.61	3.50	3.14	3.53
γ 163.0	3.56	3.88	3.40	3.63
γ 164.0	3.54	3.78	3.45	3.82
γ 165.0	3.68	3.70	3.46	3.99
γ 166.0	3.84	3.74	3.39	4.01
γ 167.0	3.86	3.80	3.34	4.01
γ 168.0	3.90	4.00	3.50	3.88
γ 169.0	3.83	3.91	3.59	3.92
γ 170.0	3.74	3.76	3.55	3.99
γ 171.0	3.88	3.82	3.58	4.08
γ 172.0	3.78	3.76	3.69	4.07
γ 173.0	3.69	3.77	3.74	4.19
γ 174.0	3.82	3.81	3.71	4.03
γ 175.0	3.80	3.88	3.65	3.88
γ 176.0	3.84	3.83	3.76	3.89
γ 177.0	3.84	3.90	3.79	3.98
γ 178.0	3.86	3.51	3.80	3.91
γ 179.0	3.79	3.94	3.86	3.87
γ 180.0	3.91	3.91	3.91	3.91

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