

**Road Luminaire Photometric Data**

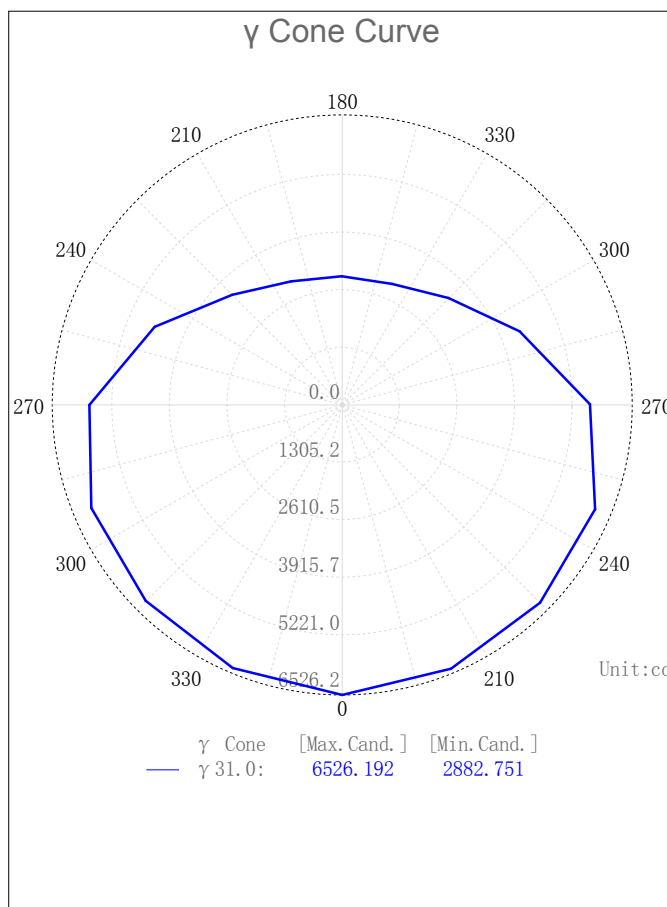
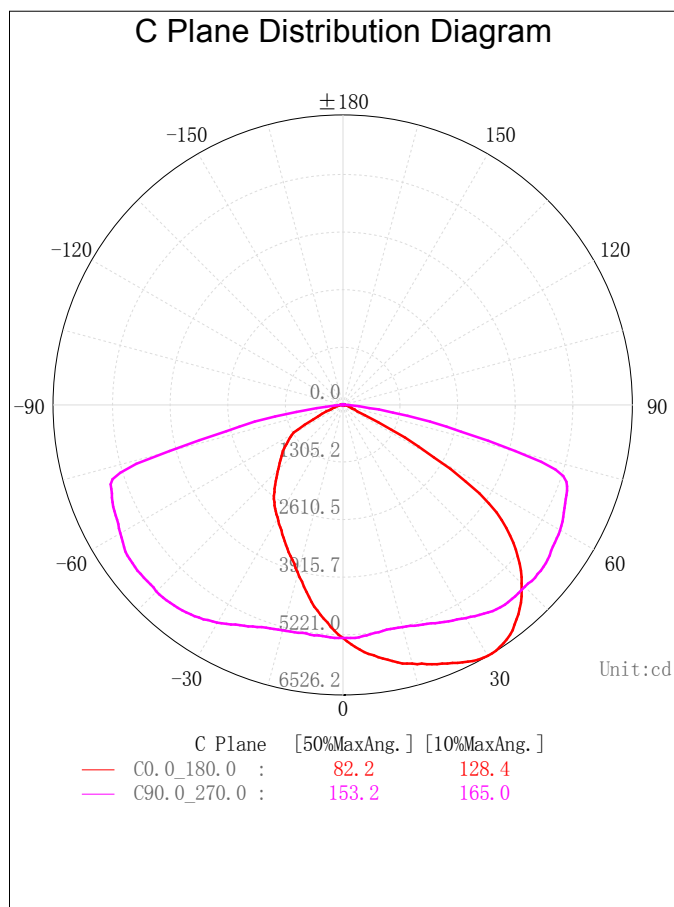
**Description Information**

Luminary Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Date: 2017-04-14 20:34:19
Manufacture: xinfang	Shld. Ang(°):	Test Machine:GON-2000
Test Lab: EVERFINE	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.000m*0.000m*0.000m	Lum. Area(m2):0.000	Lum. W(kg):
Test System: C, γ	Test Step: C=22.5 γ=1.0	Temp.(°C):
		Humidity(%):

**Character Parameter**

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 19983.431	Luminary Flux(lm): 19983.431	Down Lumens&Percent: 19939.852lm 99.78%
Rated Power(W):	Luminary Efficiency: 100.00%	Up Lumens&Percent: 43.5781m 0.22%
Rated Voltage(V):	Luminary EER(lm/W): 133.937	76° Flash Area(m2):
Tested Power(W): 149.200	Max. Candela(cd): 6526.192	SLI: 0.000
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 γ=31.0	IES Classification: Type IV
Tested Electrics(V, A, pf):	Half Peak Angle(°): L=-24.1, R=58.0	Longitudinal Classfct: Very Short
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Field Angle(10%Imax): 128.4(°)	Cutoff Classification: Cutoff

**Lighting Distribution Diagram**



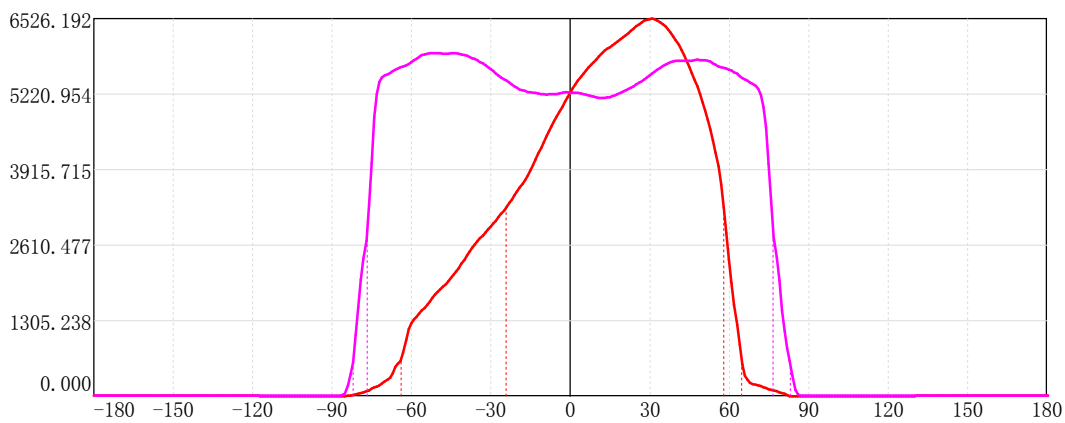
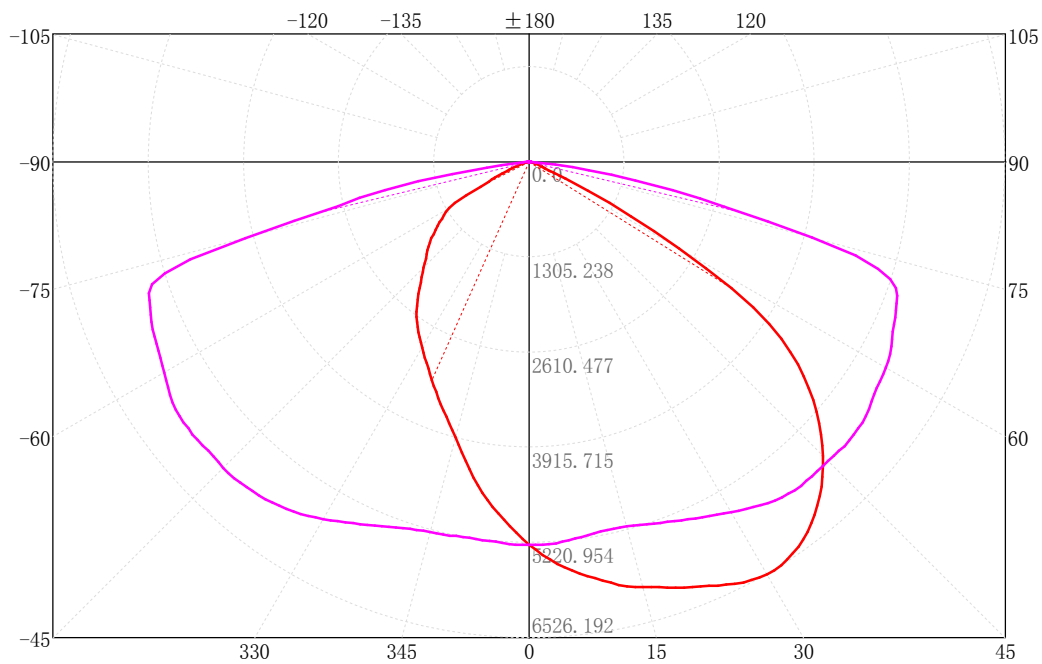
# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

C Plane Distribution Diagram



C Plane  
 C0.0\_180.0 :  
 C90.0\_270.0 :

[50%MaxAng.]  
 82.2  
 153.2

[10%MaxAng.]  
 128.4  
 165.0

# IES Road Report

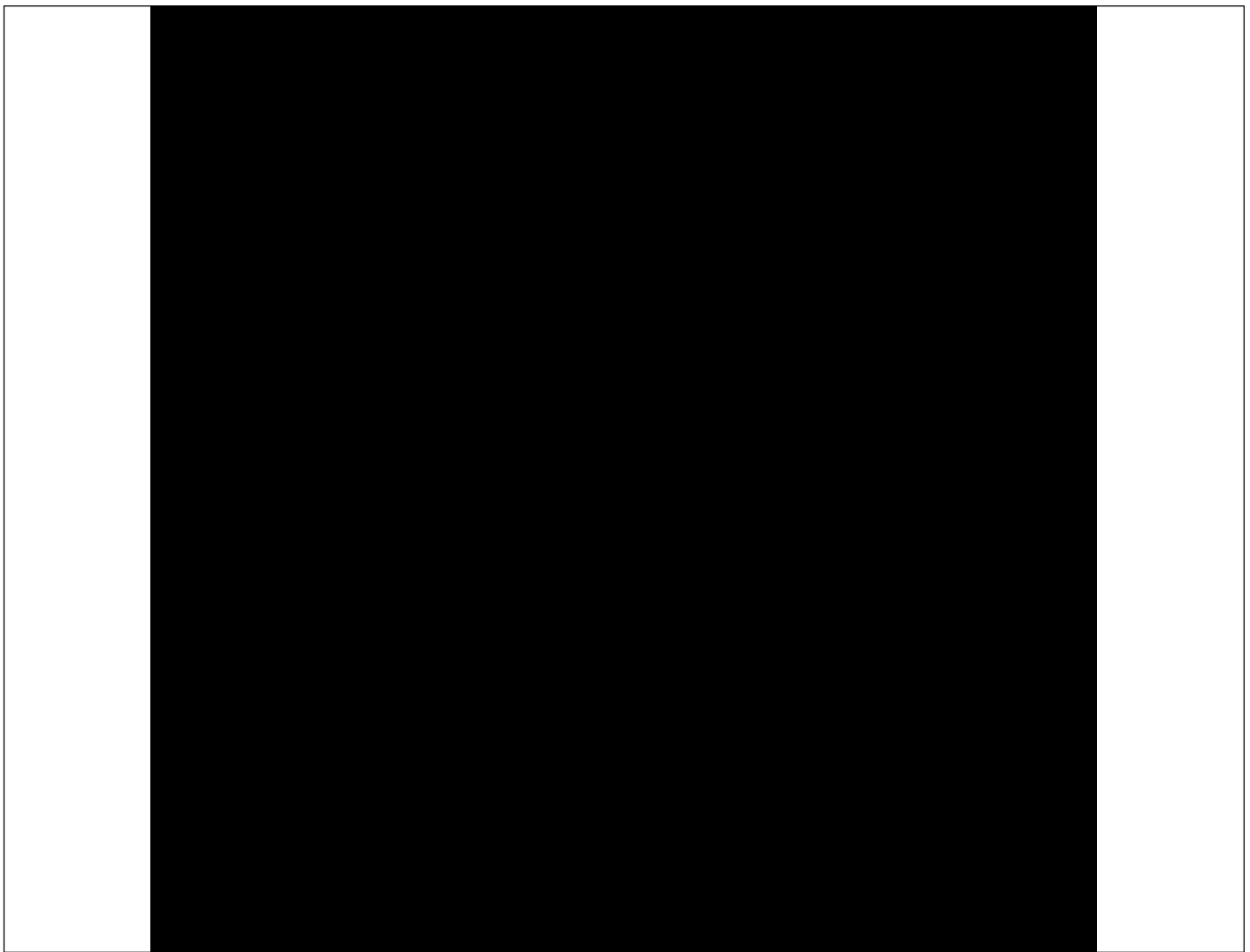
Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## 3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

## 3D Light Intensity Distribution Modal



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

---

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	5.02	5.02	0.03	0.03	45.0-46.0	364.74	364.74	1.83	1.83
1.0-2.0	15.05	20.08	0.08	0.10	46.0-47.0	368.17	732.91	1.84	3.67
2.0-3.0	25.06	45.14	0.13	0.23	47.0-48.0	371.26	1104.17	1.86	5.53
3.0-4.0	35.03	80.17	0.18	0.40	48.0-49.0	373.85	1478.01	1.87	7.40
4.0-5.0	44.94	125.10	0.22	0.63	49.0-50.0	375.96	1853.97	1.88	9.28
5.0-6.0	54.79	179.89	0.27	0.90	50.0-51.0	377.62	2231.59	1.89	11.17
6.0-7.0	64.56	244.45	0.32	1.22	51.0-52.0	378.73	2610.32	1.90	13.06
7.0-8.0	74.25	318.70	0.37	1.59	52.0-53.0	379.40	2989.71	1.90	14.96
8.0-9.0	83.85	402.55	0.42	2.01	53.0-54.0	379.49	3369.20	1.90	16.86
9.0-10.0	93.35	495.90	0.47	2.48	54.0-55.0	378.84	3748.04	1.90	18.76
10.0-11.0	102.78	598.67	0.51	3.00	55.0-56.0	377.55	4125.59	1.89	20.65
11.0-12.0	112.13	710.80	0.56	3.56	56.0-57.0	375.44	4501.03	1.88	22.52
12.0-13.0	121.41	832.21	0.61	4.16	57.0-58.0	372.27	4873.30	1.86	24.39
13.0-14.0	130.60	962.81	0.65	4.82	58.0-59.0	367.89	5241.19	1.84	26.23
14.0-15.0	139.69	1102.50	0.70	5.52	59.0-60.0	362.25	5603.43	1.81	28.04
15.0-16.0	148.73	1251.23	0.74	6.26	60.0-61.0	355.32	5958.75	1.78	29.82
16.0-17.0	157.72	1408.95	0.79	7.05	61.0-62.0	347.22	6305.97	1.74	31.56
17.0-18.0	166.70	1575.65	0.83	7.88	62.0-63.0	338.11	6644.08	1.69	33.25
18.0-19.0	175.68	1751.32	0.88	8.76	63.0-64.0	328.16	6972.25	1.64	34.89
19.0-20.0	184.62	1935.94	0.92	9.69	64.0-65.0	317.68	7289.93	1.59	36.48
20.0-21.0	193.51	2129.45	0.97	10.66	65.0-66.0	307.28	7597.21	1.54	38.02
21.0-22.0	202.36	2331.80	1.01	11.67	66.0-67.0	297.39	7894.60	1.49	39.51
22.0-23.0	211.17	2542.98	1.06	12.73	67.0-68.0	287.72	8182.32	1.44	40.95
23.0-24.0	219.95	2762.93	1.10	13.83	68.0-69.0	278.36	8460.68	1.39	42.34
24.0-25.0	228.66	2991.59	1.14	14.97	69.0-70.0	269.22	8729.90	1.35	43.69
25.0-26.0	237.29	3228.89	1.19	16.16	70.0-71.0	259.48	8989.38	1.30	44.98
26.0-27.0	245.81	3474.69	1.23	17.39	71.0-72.0	249.17	9238.56	1.25	46.23
27.0-28.0	254.19	3728.88	1.27	18.66	72.0-73.0	238.26	9476.82	1.19	47.42
28.0-29.0	262.45	3991.33	1.31	19.97	73.0-74.0	225.93	9702.75	1.13	48.55
29.0-30.0	270.55	4261.88	1.35	21.33	74.0-75.0	209.51	9912.26	1.05	49.60
30.0-31.0	278.46	4540.34	1.39	22.72	75.0-76.0	188.46	10100.72	0.94	50.55
31.0-32.0	286.15	4826.49	1.43	24.15	76.0-77.0	164.95	10265.68	0.83	51.37
32.0-33.0	293.58	5120.07	1.47	25.62	77.0-78.0	142.15	10407.83	0.71	52.08
33.0-34.0	300.74	5420.81	1.50	27.13	78.0-79.0	120.13	10527.96	0.60	52.68
34.0-35.0	307.66	5728.47	1.54	28.67	79.0-80.0	94.90	10622.86	0.47	53.16
35.0-36.0	314.34	6042.81	1.57	30.24	80.0-81.0	70.76	10693.62	0.35	53.51
36.0-37.0	320.71	6363.52	1.60	31.84	81.0-82.0	50.83	10744.45	0.25	53.77
37.0-38.0	326.77	6690.29	1.64	33.48	82.0-83.0	33.85	10778.30	0.17	53.94
38.0-39.0	332.57	7022.86	1.66	35.14	83.0-84.0	20.91	10799.21	0.10	54.04
39.0-40.0	338.05	7360.91	1.69	36.84	84.0-85.0	10.87	10810.09	0.05	54.10
40.0-41.0	343.18	7704.09	1.72	38.55	85.0-86.0	4.14	10814.22	0.02	54.12
41.0-42.0	347.98	8052.07	1.74	40.29	86.0-87.0	1.40	10815.63	0.01	54.12
42.0-43.0	352.57	8404.63	1.76	42.06	87.0-88.0	0.78	10816.41	0.00	54.13
43.0-44.0	356.90	8761.53	1.79	43.84	88.0-89.0	0.55	10816.96	0.00	54.13
44.0-45.0	360.96	9122.49	1.81	45.65	89.0-90.0	0.41	10817.36	0.00	54.13

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## Zonal Flux Tabulation - (Cont.)

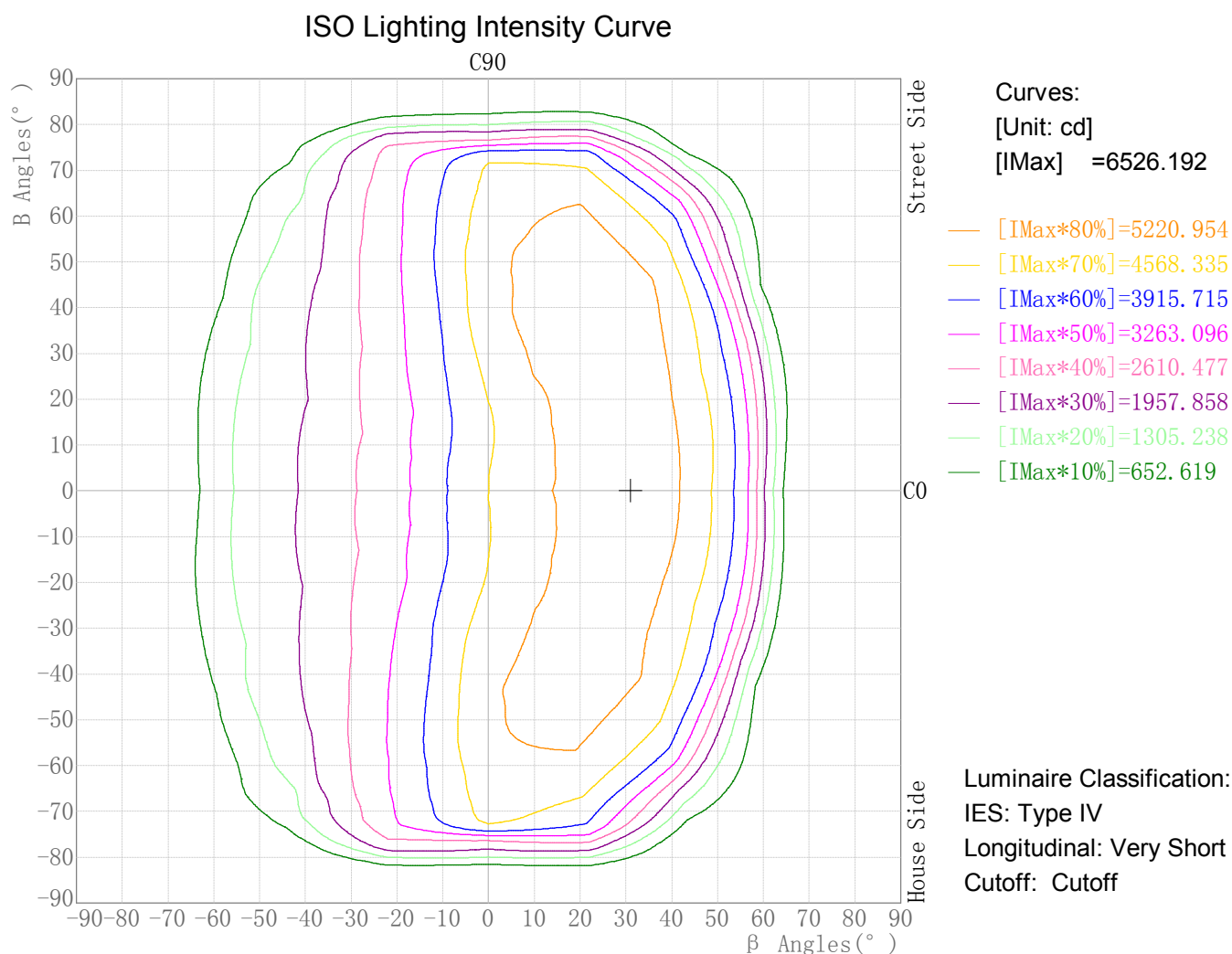
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
90.0-91.0	0.38	0.38	0.00	0.00	135.0-136.0	0.66	0.66	0.00	0.00
91.0-92.0	0.37	0.75	0.00	0.00	136.0-137.0	0.65	1.30	0.00	0.01
92.0-93.0	0.37	1.12	0.00	0.01	137.0-138.0	0.63	1.94	0.00	0.01
93.0-94.0	0.37	1.49	0.00	0.01	138.0-139.0	0.62	2.55	0.00	0.01
94.0-95.0	0.38	1.86	0.00	0.01	139.0-140.0	0.61	3.16	0.00	0.02
95.0-96.0	0.38	2.25	0.00	0.01	140.0-141.0	0.60	3.76	0.00	0.02
96.0-97.0	0.39	2.64	0.00	0.01	141.0-142.0	0.58	4.34	0.00	0.02
97.0-98.0	0.41	3.05	0.00	0.02	142.0-143.0	0.57	4.91	0.00	0.02
98.0-99.0	0.42	3.46	0.00	0.02	143.0-144.0	0.56	5.47	0.00	0.03
99.0-100.0	0.43	3.89	0.00	0.02	144.0-145.0	0.54	6.01	0.00	0.03
100.0-101.0	0.45	4.34	0.00	0.02	145.0-146.0	0.53	6.54	0.00	0.03
101.0-102.0	0.47	4.81	0.00	0.02	146.0-147.0	0.52	7.07	0.00	0.04
102.0-103.0	0.49	5.29	0.00	0.03	147.0-148.0	0.51	7.58	0.00	0.04
103.0-104.0	0.51	5.81	0.00	0.03	148.0-149.0	0.51	8.09	0.00	0.04
104.0-105.0	0.54	6.34	0.00	0.03	149.0-150.0	0.49	8.58	0.00	0.04
105.0-106.0	0.57	6.91	0.00	0.03	150.0-151.0	0.48	9.06	0.00	0.05
106.0-107.0	0.59	7.50	0.00	0.04	151.0-152.0	0.46	9.52	0.00	0.05
107.0-108.0	0.62	8.12	0.00	0.04	152.0-153.0	0.44	9.96	0.00	0.05
108.0-109.0	0.64	8.76	0.00	0.04	153.0-154.0	0.43	10.39	0.00	0.05
109.0-110.0	0.66	9.43	0.00	0.05	154.0-155.0	0.41	10.80	0.00	0.05
110.0-111.0	0.68	10.11	0.00	0.05	155.0-156.0	0.39	11.19	0.00	0.06
111.0-112.0	0.69	10.80	0.00	0.05	156.0-157.0	0.37	11.56	0.00	0.06
112.0-113.0	0.70	11.50	0.00	0.06	157.0-158.0	0.35	11.92	0.00	0.06
113.0-114.0	0.71	12.21	0.00	0.06	158.0-159.0	0.34	12.25	0.00	0.06
114.0-115.0	0.72	12.93	0.00	0.06	159.0-160.0	0.32	12.57	0.00	0.06
115.0-116.0	0.72	13.65	0.00	0.07	160.0-161.0	0.31	12.88	0.00	0.06
116.0-117.0	0.72	14.37	0.00	0.07	161.0-162.0	0.29	13.17	0.00	0.07
117.0-118.0	0.72	15.09	0.00	0.08	162.0-163.0	0.28	13.45	0.00	0.07
118.0-119.0	0.72	15.81	0.00	0.08	163.0-164.0	0.26	13.72	0.00	0.07
119.0-120.0	0.73	16.54	0.00	0.08	164.0-165.0	0.25	13.97	0.00	0.07
120.0-121.0	0.74	17.29	0.00	0.09	165.0-166.0	0.24	14.20	0.00	0.07
121.0-122.0	0.75	18.04	0.00	0.09	166.0-167.0	0.22	14.42	0.00	0.07
122.0-123.0	0.75	18.79	0.00	0.09	167.0-168.0	0.22	14.64	0.00	0.07
123.0-124.0	0.75	19.54	0.00	0.10	168.0-169.0	0.21	14.86	0.00	0.07
124.0-125.0	0.75	20.30	0.00	0.10	169.0-170.0	0.21	15.06	0.00	0.08
125.0-126.0	0.75	21.05	0.00	0.11	170.0-171.0	0.19	15.26	0.00	0.08
126.0-127.0	0.75	21.80	0.00	0.11	171.0-172.0	0.18	15.43	0.00	0.08
127.0-128.0	0.74	22.54	0.00	0.11	172.0-173.0	0.16	15.59	0.00	0.08
128.0-129.0	0.74	23.28	0.00	0.12	173.0-174.0	0.14	15.73	0.00	0.08
129.0-130.0	0.73	24.01	0.00	0.12	174.0-175.0	0.12	15.84	0.00	0.08
130.0-131.0	0.72	24.73	0.00	0.12	175.0-176.0	0.10	15.94	0.00	0.08
131.0-132.0	0.71	25.43	0.00	0.13	176.0-177.0	0.07	16.01	0.00	0.08
132.0-133.0	0.69	26.12	0.00	0.13	177.0-178.0	0.05	16.07	0.00	0.08
133.0-134.0	0.68	26.80	0.00	0.13	178.0-179.0	0.03	16.10	0.00	0.08
134.0-135.0	0.67	27.47	0.00	0.14	179.0-180.0	0.01	16.11	0.00	0.08

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

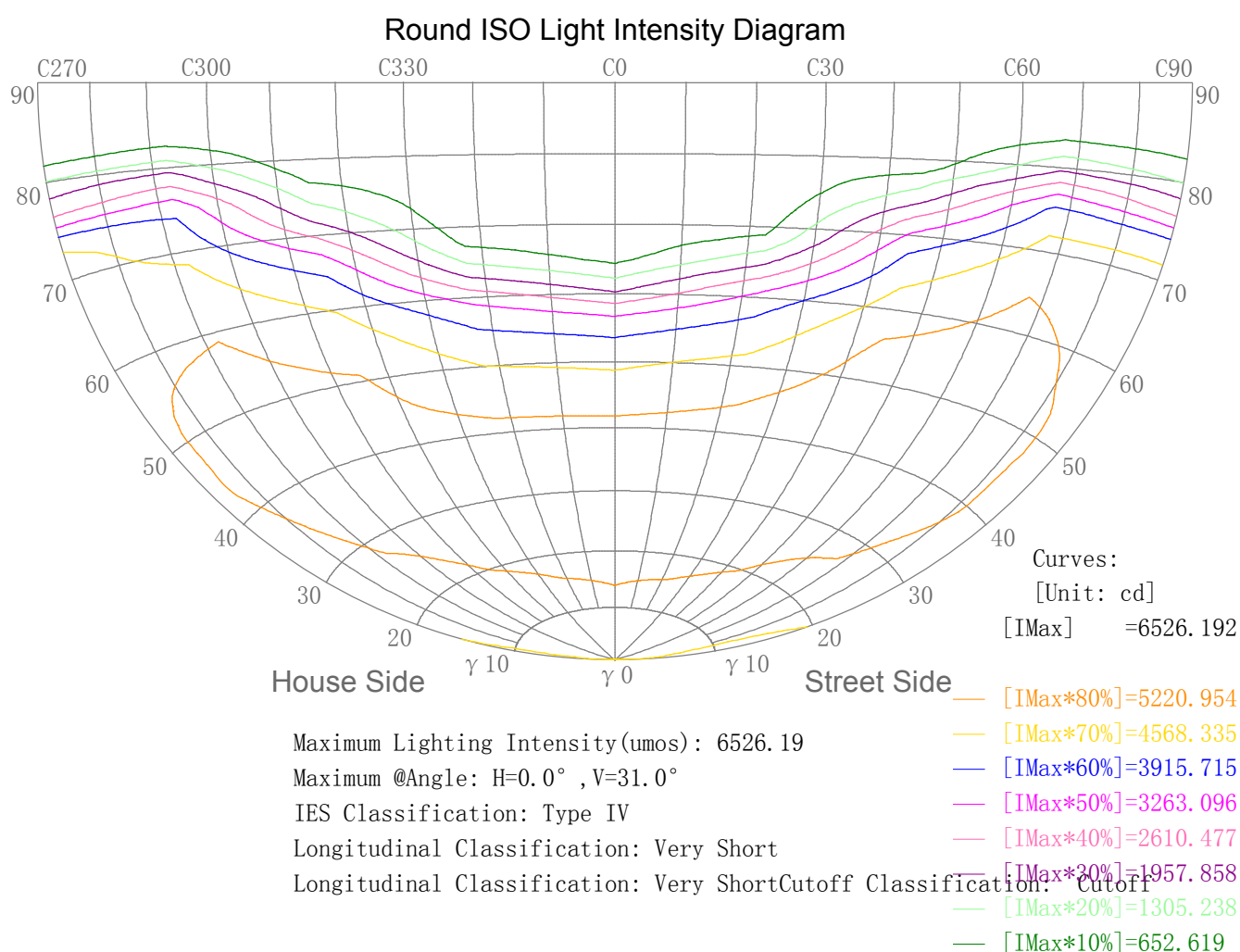


# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## Round ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19



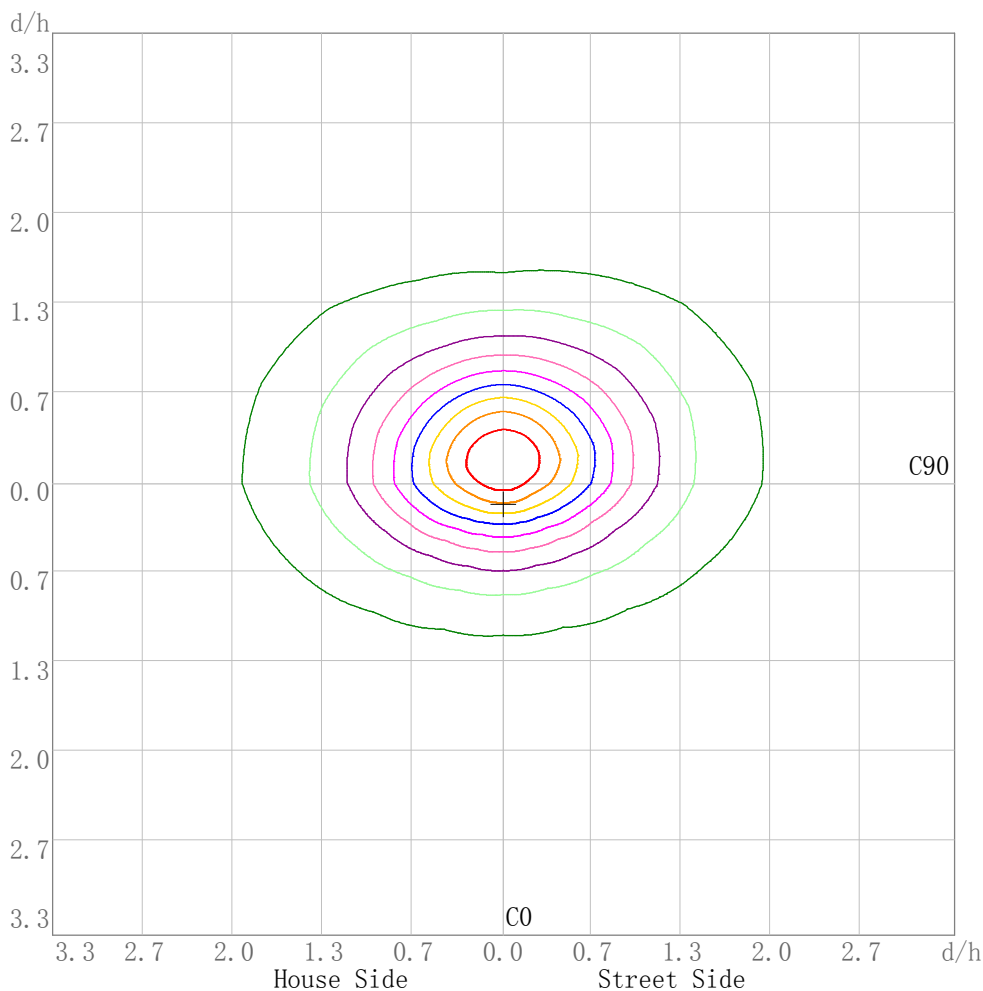
# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

### Plane ISO-Illuminance Curve



Curves:

unit:lx

[EMax] =537.860

— [EMax\*90%]=484.074

— [EMax\*80%]=430.288

— [EMax\*70%]=376.502

— [EMax\*60%]=322.716

— [EMax\*50%]=268.930

— [EMax\*40%]=215.144

— [EMax\*30%]=161.358

— [EMax\*20%]=107.572

— [EMax\*10%]=53.786

Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 537.86

Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1



# IES Road Report

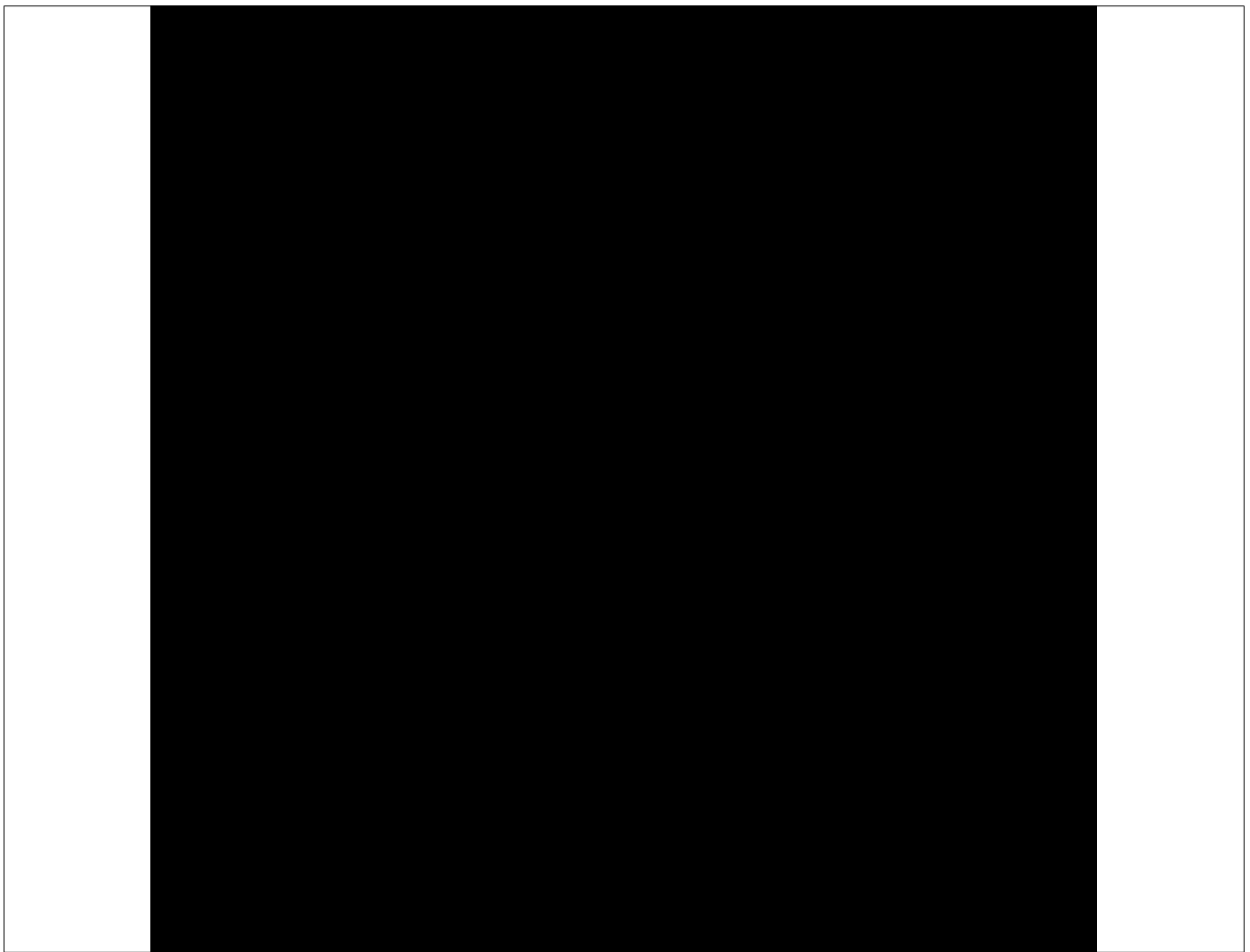
Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## 3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

### 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

---

# IES Road Report

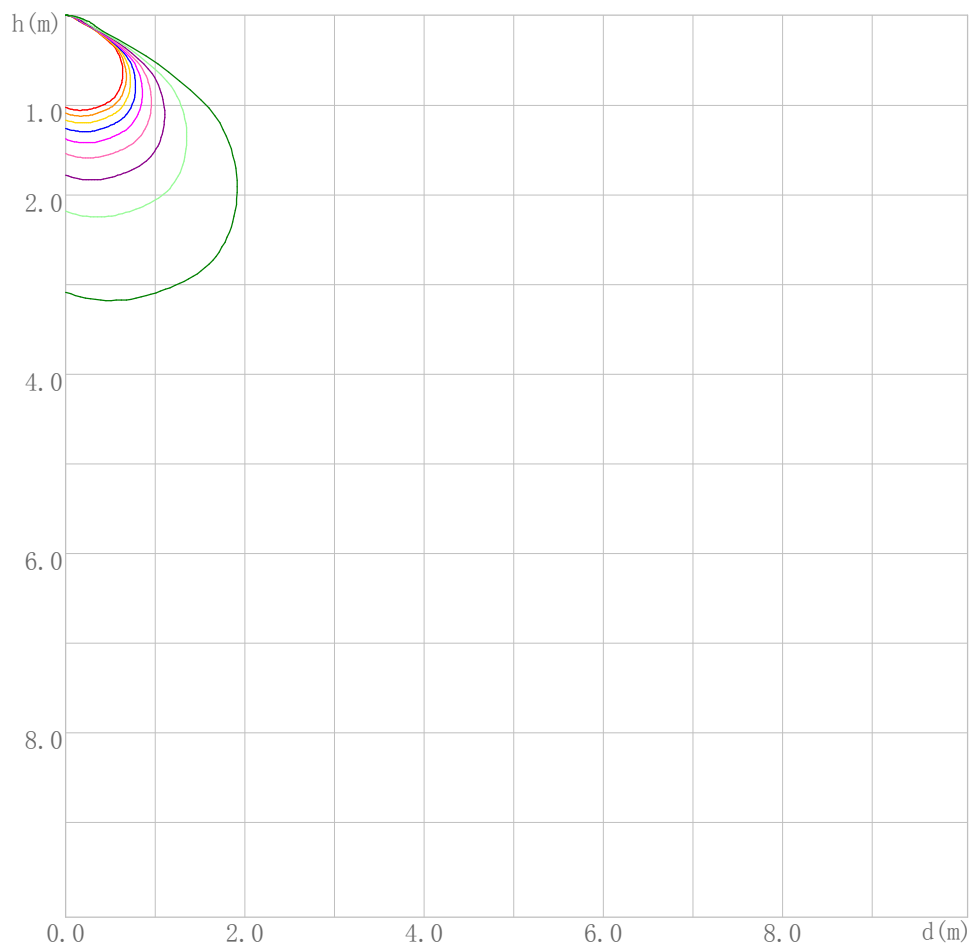
Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

### Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =5566.320

— [EMax\*90%]=5009.688

— [EMax\*80%]=4453.056

— [EMax\*70%]=3896.424

— [EMax\*60%]=3339.792

— [EMax\*50%]=2783.160

— [EMax\*40%]=2226.528

— [EMax\*30%]=1669.896

— [EMax\*20%]=1113.264

— [EMax\*10%]=556.632

Space Plane Maximum Illuminance and @Angle:5566.32lx,8.0deg

Plane Maximum Lighting Intensity and @Angle:6526.192cd,0deg

---

# IES Road Report

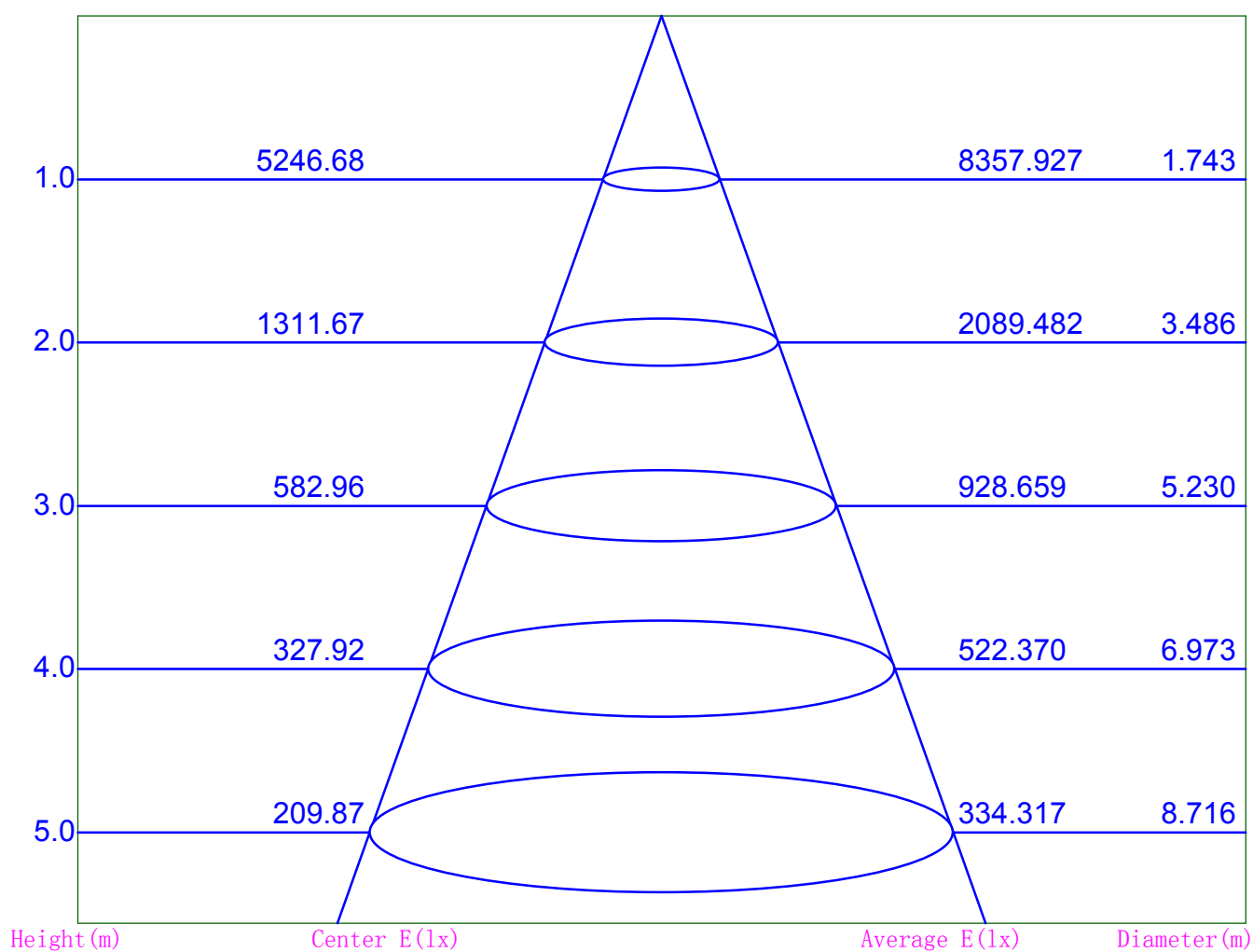
Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19

Illuminance-Distance Curve

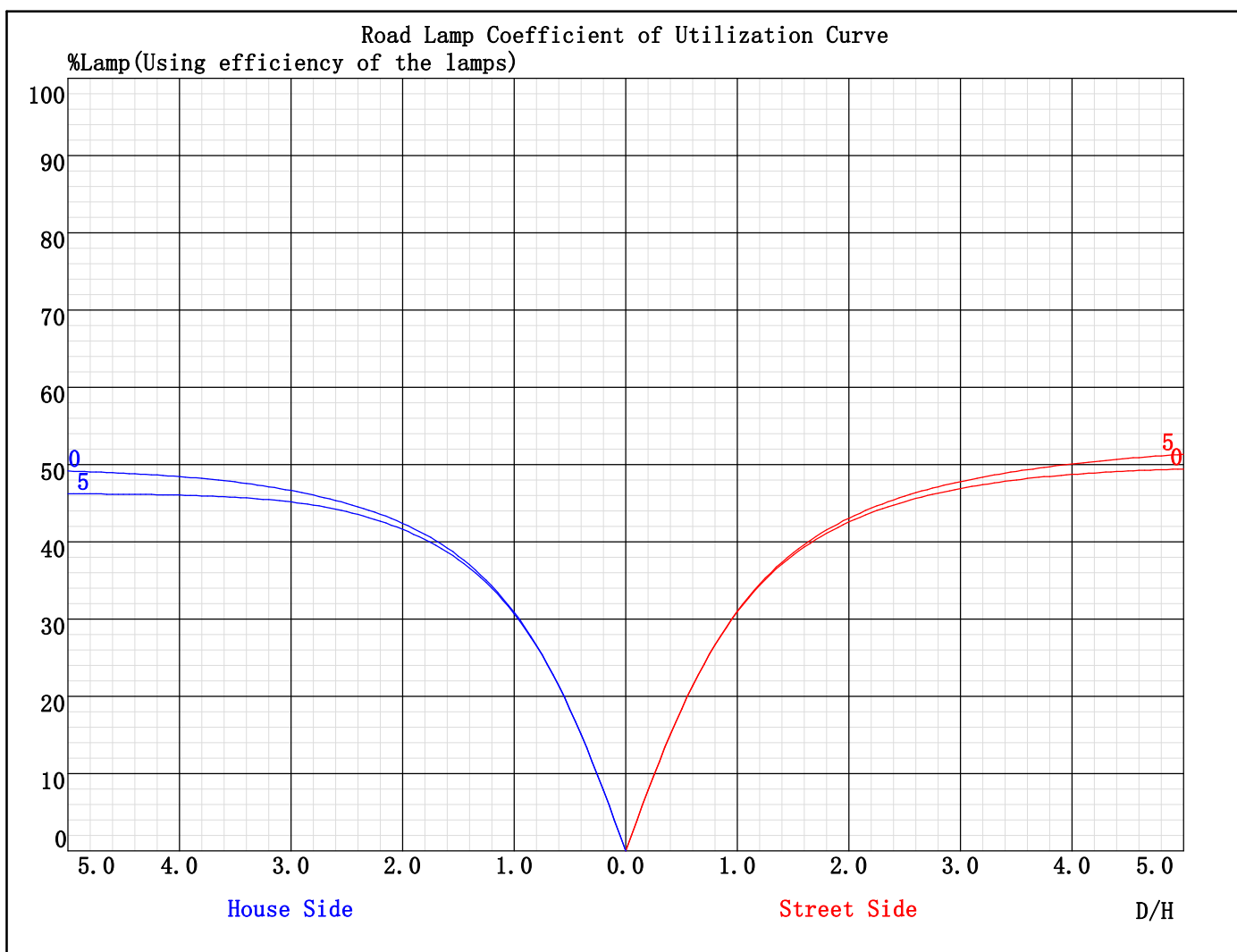


# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

## Road Coefficient of Utilization Curves

Lum. Name:	Lum. Catalog:	Test ID: 2017-04-14
Lamp Name: 150W-HV	Lamp Catalog:	Test Lab: EVERFINE
Manufacture: xinfang	Test Machine:GON-2000	Test Date: 2017-04-14 20:34:19



Tilt Angles: Ang1(deg): 0 Ang2(deg): 5

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.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	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68	5246.68
$\gamma$ 1.0	5319.69	5309.07	5297.38	5278.57	5247.31	5216.56	5194.46	5180.81	5169.24	5181.93	5197.41	5216.94
$\gamma$ 2.0	5390.90	5368.45	5346.32	5306.31	5247.30	5184.60	5140.40	5108.24	5085.98	5109.66	5141.09	5185.96
$\gamma$ 3.0	5455.77	5427.75	5394.71	5334.01	5245.41	5151.03	5084.30	5035.09	5001.11	5036.54	5083.67	5153.60
$\gamma$ 4.0	5518.17	5481.80	5441.68	5357.83	5236.95	5112.97	5025.95	4956.19	4914.63	4959.25	5024.34	5119.04
$\gamma$ 5.0	5576.68	5531.53	5486.36	5375.70	5224.17	5072.58	4965.14	4877.92	4832.76	4884.46	4966.23	5086.10
$\gamma$ 6.0	5631.06	5575.29	5526.28	5389.19	5209.91	5031.80	4901.50	4798.65	4751.25	4809.17	4906.77	5053.59
$\gamma$ 7.0	5682.58	5620.54	5563.29	5400.03	5194.73	4987.94	4835.57	4718.88	4668.54	4729.21	4848.72	5022.96
$\gamma$ 8.0	5732.05	5666.20	5601.35	5411.46	5187.11	4941.46	4768.90	4638.65	4579.99	4648.74	4784.41	4988.19
$\gamma$ 9.0	5776.74	5714.74	5635.31	5428.66	5179.06	4894.98	4701.54	4556.86	4488.84	4563.65	4720.59	4951.30
$\gamma$ 10.0	5821.37	5760.04	5670.49	5452.79	5168.28	4849.18	4632.99	4470.88	4391.34	4476.83	4660.74	4915.35
$\gamma$ 11.0	5873.57	5804.17	5704.51	5480.22	5158.78	4807.40	4565.67	4381.25	4290.49	4387.22	4599.79	4881.67
$\gamma$ 12.0	5926.00	5849.29	5738.95	5506.37	5153.28	4768.38	4493.96	4287.63	4189.43	4299.88	4539.66	4848.54
$\gamma$ 13.0	5971.44	5891.02	5772.86	5533.35	5155.91	4731.95	4422.67	4193.18	4089.05	4212.93	4474.64	4816.05
$\gamma$ 14.0	6005.21	5932.06	5808.67	5557.66	5162.15	4698.93	4350.58	4097.45	3993.73	4120.88	4410.61	4784.03
$\gamma$ 15.0	6033.23	5973.59	5839.99	5583.85	5171.03	4670.39	4280.28	4009.62	3903.24	4030.50	4344.33	4758.48
$\gamma$ 16.0	6063.16	6015.33	5874.46	5609.00	5187.09	4645.93	4209.89	3925.62	3819.09	3940.60	4276.95	4735.17
$\gamma$ 17.0	6093.69	6055.56	5910.40	5633.84	5203.15	4622.34	4141.29	3844.27	3740.49	3858.66	4213.09	4715.16
$\gamma$ 18.0	6130.20	6094.76	5945.21	5665.79	5221.90	4603.66	4071.90	3765.30	3668.49	3781.76	4150.60	4701.58
$\gamma$ 19.0	6166.94	6129.56	5979.41	5702.50	5244.03	4584.60	4008.39	3693.56	3604.09	3705.21	4094.02	4691.31
$\gamma$ 20.0	6203.59	6162.46	6012.33	5737.97	5263.31	4569.04	3942.64	3625.19	3536.05	3633.78	4038.71	4682.49
$\gamma$ 21.0	6240.04	6195.25	6043.13	5773.85	5283.86	4550.99	3883.88	3559.41	3468.02	3569.04	3990.02	4672.16
$\gamma$ 22.0	6275.07	6227.94	6072.47	5811.04	5307.31	4531.86	3827.54	3493.63	3400.22	3504.29	3939.70	4663.13
$\gamma$ 23.0	6312.96	6260.29	6101.44	5850.83	5334.10	4510.63	3772.89	3427.91	3339.78	3439.80	3884.95	4653.12
$\gamma$ 24.0	6352.76	6290.47	6131.33	5888.17	5357.37	4490.13	3720.09	3365.13	3272.29	3387.73	3831.14	4646.63
$\gamma$ 25.0	6390.73	6320.84	6159.89	5927.43	5388.28	4469.04	3668.82	3303.36	3208.25	3335.30	3778.39	4639.73
$\gamma$ 26.0	6428.07	6351.40	6186.36	5971.78	5421.35	4444.69	3617.95	3239.41	3149.18	3278.11	3722.94	4630.56
$\gamma$ 27.0	6463.69	6376.93	6214.36	6014.60	5447.61	4423.57	3568.55	3177.16	3091.77	3219.95	3668.82	4615.62
$\gamma$ 28.0	6489.75	6399.68	6238.19	6055.72	5474.32	4401.56	3522.70	3118.08	3036.21	3161.71	3621.52	4598.65
$\gamma$ 29.0	6508.09	6412.92	6262.05	6092.68	5506.97	4376.69	3476.85	3057.41	2984.80	3102.85	3578.22	4584.49
$\gamma$ 30.0	6519.75	6423.91	6284.72	6126.15	5539.81	4351.09	3431.02	2997.59	2933.45	3046.15	3536.64	4570.66
$\gamma$ 31.0	6526.19	6424.68	6304.74	6155.59	5573.56	4320.34	3388.90	2942.56	2882.75	2993.13	3495.05	4558.31
$\gamma$ 32.0	6516.93	6415.96	6324.30	6186.55	5607.39	4284.51	3345.86	2888.52	2831.39	2939.45	3453.63	4539.96
$\gamma$ 33.0	6493.82	6401.72	6340.56	6220.37	5641.09	4249.54	3303.44	2835.61	2781.90	2886.76	3418.13	4512.94
$\gamma$ 34.0	6462.11	6379.91	6354.23	6247.35	5673.98	4215.91	3266.67	2784.16	2734.25	2833.55	3383.05	4487.74
$\gamma$ 35.0	6431.14	6351.02	6364.73	6275.60	5705.02	4187.89	3229.88	2732.46	2679.78	2781.90	3347.58	4458.81
$\gamma$ 36.0	6393.54	6322.72	6372.32	6301.34	5732.44	4160.86	3193.39	2683.03	2624.59	2732.85	3312.23	4429.60
$\gamma$ 37.0	6343.39	6289.36	6378.82	6321.57	5753.42	4134.82	3154.81	2633.03	2565.83	2685.26	3277.83	4398.34
$\gamma$ 38.0	6281.27	6252.77	6385.32	6342.97	5771.33	4108.73	3115.93	2582.78	2500.19	2638.71	3243.70	4377.69
$\gamma$ 39.0	6216.26	6216.13	6387.20	6360.57	5788.39	4085.02	3075.25	2528.33	2430.17	2591.79	3209.05	4355.72
$\gamma$ 40.0	6146.24	6180.20	6386.63	6374.71	5794.57	4063.79	3034.97	2469.49	2356.81	2538.42	3174.23	4336.12
$\gamma$ 41.0	6068.65	6138.41	6381.67	6387.11	5793.32	4044.12	2993.78	2405.13	2285.18	2484.34	3138.72	4316.34
$\gamma$ 42.0	5985.05	6097.51	6373.31	6393.48	5794.49	4026.10	2952.74	2339.36	2216.59	2426.40	3102.78	4294.85
$\gamma$ 43.0	5895.72	6061.03	6367.52	6401.84	5791.42	4008.57	2911.32	2275.98	2155.35	2363.46	3067.02	4273.42
$\gamma$ 44.0	5797.03	6014.79	6364.87	6407.66	5792.17	3991.47	2870.26	2213.64	2098.26	2298.54	3028.47	4256.73

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.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 45.0	5695.50	5959.59	6362.98	6413.91	5798.40	3978.53	2831.84	2159.72	2042.86	2232.83	2990.01	4240.10
γ 46.0	5588.30	5892.60	6359.86	6423.51	5799.71	3961.74	2793.58	2108.43	1988.92	2174.55	2948.65	4227.53
γ 47.0	5472.82	5810.75	6349.81	6432.35	5806.27	3947.41	2749.44	2061.09	1935.85	2120.92	2906.95	4215.54
γ 48.0	5348.67	5713.11	6340.08	6446.46	5817.91	3932.16	2701.43	2014.42	1889.91	2068.83	2866.64	4202.08
γ 49.0	5216.96	5606.74	6327.51	6456.20	5811.55	3915.47	2650.13	1968.56	1845.89	2015.88	2821.78	4183.24
γ 50.0	5079.31	5484.55	6308.35	6465.54	5808.45	3903.04	2597.41	1924.34	1802.48	1967.59	2773.65	4166.98
γ 51.0	4931.99	5352.73	6281.83	6470.89	5803.29	3888.86	2548.87	1881.70	1753.23	1920.94	2724.05	4149.46
γ 52.0	4775.16	5226.59	6246.18	6471.54	5794.82	3872.22	2502.80	1840.84	1698.95	1875.78	2673.57	4133.86
γ 53.0	4609.38	5101.00	6201.27	6465.92	5781.20	3857.30	2459.04	1794.20	1641.77	1834.08	2630.43	4116.42
γ 54.0	4427.59	4966.41	6148.06	6444.97	5755.61	3829.81	2419.15	1743.43	1585.31	1790.30	2589.59	4096.48
γ 55.0	4216.66	4833.14	6080.29	6417.93	5726.90	3801.01	2381.11	1685.88	1531.40	1743.56	2549.22	4082.19
γ 56.0	3972.27	4694.55	5997.78	6388.03	5701.44	3779.35	2336.59	1628.35	1477.52	1694.33	2510.25	4068.95
γ 57.0	3661.53	4545.96	5908.79	6359.41	5683.22	3762.73	2287.29	1574.04	1425.84	1642.21	2472.55	4051.58
γ 58.0	3266.60	4381.28	5812.51	6329.88	5672.72	3743.42	2232.84	1524.89	1374.92	1589.32	2431.41	4032.75
γ 59.0	2820.97	4191.31	5712.22	6290.94	5662.83	3712.43	2172.86	1477.76	1326.92	1538.53	2390.88	4008.27
γ 60.0	2370.10	3953.34	5610.90	6248.59	5645.04	3687.80	2114.75	1434.54	1265.49	1489.84	2347.83	3975.68
γ 61.0	1955.28	3655.67	5498.03	6197.05	5625.04	3667.26	2059.95	1392.82	1159.66	1443.92	2300.41	3943.11
γ 62.0	1584.55	3308.64	5375.71	6148.73	5600.03	3647.95	2009.71	1348.64	971.35	1403.71	2247.25	3921.33
γ 63.0	1238.85	2914.46	5243.66	6098.13	5570.67	3627.35	1963.14	1280.61	751.36	1359.81	2192.15	3910.00
γ 64.0	893.53	2511.45	5106.26	6033.74	5534.33	3608.14	1912.82	1138.01	612.52	1281.56	2139.84	3900.01
γ 65.0	548.19	2109.04	4964.11	5958.97	5500.17	3586.27	1859.76	978.42	565.57	1134.57	2086.47	3876.22
γ 66.0	354.00	1732.97	4807.26	5879.32	5472.92	3560.15	1805.51	831.94	507.56	999.52	2034.10	3852.30
γ 67.0	286.01	1356.98	4629.70	5792.32	5450.07	3539.38	1753.98	724.02	396.97	903.18	1981.44	3830.22
γ 68.0	236.68	981.00	4420.78	5711.71	5424.46	3503.27	1700.53	633.56	320.86	810.00	1927.94	3798.00
γ 69.0	212.07	722.94	4179.86	5620.20	5397.57	3467.15	1615.73	553.13	289.89	719.85	1870.05	3756.72
γ 70.0	196.65	557.19	3888.41	5509.45	5370.06	3431.05	1474.71	475.39	255.27	627.41	1788.07	3724.15
γ 71.0	184.22	421.56	3545.40	5390.80	5312.69	3400.69	1358.63	393.17	217.52	528.32	1616.91	3698.27
γ 72.0	171.63	311.13	3189.29	5241.40	5205.35	3367.75	1289.79	303.37	186.67	429.97	1485.06	3670.54
γ 73.0	159.72	220.12	2773.96	5074.16	4996.63	3322.67	1233.36	238.73	167.61	334.96	1406.05	3644.80
γ 74.0	147.30	170.23	2329.38	4898.93	4654.26	3272.53	1162.28	206.61	153.34	266.40	1363.47	3619.83
γ 75.0	126.74	143.68	1902.41	4690.02	4014.18	3221.35	1041.07	186.89	130.27	217.56	1320.88	3429.15
γ 76.0	107.09	127.44	1581.46	4182.35	3374.10	3122.88	861.21	163.50	102.56	192.29	1240.96	3238.46
γ 77.0	94.16	112.91	1262.99	3716.73	2741.91	2850.76	707.38	127.43	83.62	152.17	1029.93	3047.11
γ 78.0	83.00	97.65	821.40	3172.84	2393.53	2602.68	592.34	102.57	68.92	125.15	841.36	2830.95
γ 79.0	71.17	84.61	423.04	2601.17	2002.72	2200.25	499.86	83.19	57.61	111.95	620.09	2526.34
γ 80.0	56.53	72.24	261.72	2055.68	1477.15	1551.92	358.27	66.25	44.76	100.04	359.61	1965.99
γ 81.0	41.14	54.12	172.27	1645.21	1141.54	1130.97	245.67	48.08	34.97	83.79	259.91	1419.55
γ 82.0	20.95	33.74	100.26	1236.57	824.96	860.98	151.83	37.51	25.91	68.97	174.54	891.61
γ 83.0	5.00	14.64	61.28	827.94	605.22	513.87	101.40	26.08	16.47	52.45	99.41	575.07
γ 84.0	2.64	4.91	34.22	553.66	365.67	281.00	63.65	13.71	8.40	27.27	65.14	355.11
γ 85.0	1.99	3.83	16.49	271.45	109.25	111.88	25.58	5.59	3.91	6.90	26.74	176.65
γ 86.0	1.18	2.71	9.71	64.50	32.60	43.34	8.80	3.45	2.69	5.44	10.42	35.86
γ 87.0	0.14	1.12	7.28	17.11	14.31	13.83	6.57	2.84	2.33	4.58	8.29	15.21
γ 88.0	0.00	0.03	3.89	12.14	12.34	10.48	5.35	2.20	2.20	3.84	7.07	12.44
γ 89.0	0.00	0.00	2.47	9.74	8.27	6.44	1.79	0.12	0.12	1.49	3.68	8.03

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.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 90.0	0.00	0.00	2.23	8.98	7.65	6.11	0.99	0.00	0.00	0.00	2.64	7.91
γ 91.0	0.00	0.00	2.17	8.45	7.59	6.11	1.00	0.00	0.00	0.00	2.70	7.98
γ 92.0	0.00	0.00	2.00	7.87	7.59	6.22	1.12	0.00	0.00	0.00	2.82	7.98
γ 93.0	0.00	0.00	1.94	7.80	7.59	6.51	1.29	0.00	0.00	0.00	3.12	8.04
γ 94.0	0.00	0.00	1.93	7.62	7.70	6.52	1.41	0.00	0.00	0.00	3.40	8.11
γ 95.0	0.00	0.00	1.99	7.51	7.76	6.80	1.93	0.00	0.00	0.00	3.59	8.50
γ 96.0	0.00	0.00	2.06	7.39	8.12	6.81	2.12	0.00	0.00	0.00	4.00	8.63
γ 97.0	0.00	0.00	2.06	7.15	8.46	7.10	2.75	0.00	0.00	0.00	4.52	8.68
γ 98.0	0.00	0.00	2.17	7.15	8.58	7.21	3.22	0.00	0.00	0.18	4.93	8.85
γ 99.0	0.00	0.00	2.29	7.15	8.87	7.44	3.63	0.00	0.00	0.41	5.06	9.15
γ 100.0	0.00	0.00	2.35	7.10	9.22	7.80	3.82	0.13	0.00	0.60	5.42	9.44
γ 101.0	0.00	0.00	2.46	7.10	9.45	8.08	4.22	0.24	0.00	0.89	5.82	9.63
γ 102.0	0.00	0.17	2.75	7.44	9.80	8.37	4.62	0.59	0.00	1.29	5.99	9.91
γ 103.0	0.00	0.34	2.88	7.51	10.03	8.60	4.80	0.76	0.00	1.76	6.22	10.26
γ 104.0	0.00	0.01	3.11	7.90	10.37	8.84	5.34	1.24	0.07	2.01	6.65	10.68
γ 105.0	0.00	0.46	3.23	8.08	10.66	9.19	5.80	1.59	0.36	2.64	6.92	11.03
γ 106.0	0.00	0.70	3.29	8.38	10.89	9.53	6.08	2.00	0.83	2.77	7.05	11.50
γ 107.0	0.29	0.82	3.69	8.73	11.07	9.83	6.10	2.41	1.01	3.24	7.34	11.80
γ 108.0	0.46	1.23	3.70	9.14	11.36	10.12	6.43	2.82	1.41	3.70	7.34	12.32
γ 109.0	0.53	1.17	3.98	9.56	11.59	10.65	6.44	3.23	1.94	3.94	7.52	12.79
γ 110.0	0.87	1.40	4.05	9.80	11.59	10.98	6.50	3.58	2.23	4.29	7.58	13.08
γ 111.0	0.87	1.46	4.16	9.91	11.59	11.34	6.78	3.81	2.70	4.70	7.82	13.25
γ 112.0	1.10	1.41	4.16	10.20	11.59	11.68	6.97	4.11	3.11	4.99	8.11	13.19
γ 113.0	1.29	1.40	4.29	10.20	11.59	11.63	7.26	4.28	3.29	5.34	8.16	13.13
γ 114.0	1.35	1.40	4.40	10.26	11.59	11.63	7.61	4.51	3.99	5.34	8.41	13.02
γ 115.0	1.40	1.46	4.58	10.55	11.59	11.68	7.77	4.51	4.51	5.34	8.69	12.79
γ 116.0	1.40	1.63	4.82	10.56	11.58	11.63	8.02	4.51	4.86	5.39	8.64	12.55
γ 117.0	1.40	1.64	5.05	10.61	11.47	11.63	8.49	4.62	5.27	5.34	8.92	12.19
γ 118.0	1.58	1.64	5.05	10.61	11.35	11.51	8.72	4.88	5.62	5.65	9.04	11.90
γ 119.0	1.63	1.82	5.22	10.67	11.24	11.51	8.89	5.58	5.80	6.30	9.15	11.60
γ 120.0	1.93	2.33	5.46	10.67	11.24	11.44	8.89	6.28	5.98	7.16	9.10	11.37
γ 121.0	2.38	2.58	5.46	10.67	11.06	11.21	8.89	7.21	6.55	7.92	9.10	11.43
γ 122.0	2.74	3.05	5.46	10.73	10.78	10.93	8.89	7.61	7.31	8.27	9.04	11.37
γ 123.0	3.32	3.28	5.46	10.61	10.72	10.98	8.89	7.91	8.14	8.34	9.04	11.37
γ 124.0	3.79	3.46	5.46	10.50	10.66	10.93	8.89	8.20	8.50	8.81	8.92	11.37
γ 125.0	4.03	4.04	5.46	10.50	10.60	10.93	8.89	8.43	8.90	9.04	8.87	11.49
γ 126.0	4.21	4.22	5.46	10.50	10.72	10.98	8.89	8.61	9.14	9.33	8.92	11.43
γ 127.0	4.50	4.34	5.46	10.38	10.72	10.75	8.89	8.77	9.49	9.57	9.10	11.20
γ 128.0	4.91	4.46	5.46	10.38	10.72	10.45	8.89	9.02	9.77	10.03	9.40	11.02
γ 129.0	5.08	4.85	5.40	10.15	10.60	10.17	8.89	9.30	10.06	10.21	9.63	10.67
γ 130.0	5.38	4.98	5.35	9.74	10.59	9.76	8.89	9.49	10.36	10.40	9.68	10.67
γ 131.0	5.61	5.05	5.35	9.40	10.30	9.76	8.89	9.60	10.83	10.80	9.63	10.56
γ 132.0	5.78	5.16	5.35	9.03	10.07	9.65	8.89	9.72	11.06	10.97	9.63	10.32
γ 133.0	5.85	5.57	5.35	8.85	10.02	9.42	8.89	9.77	10.99	10.91	9.61	10.26
γ 134.0	6.08	5.80	5.35	8.80	9.84	9.42	8.83	9.83	11.06	10.91	9.21	10.26

---

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.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 135.0	6.82	5.92	5.35	8.63	9.79	9.42	8.48	9.95	11.24	10.91	9.10	10.20
γ 136.0	7.24	5.92	5.35	8.57	9.61	9.36	8.19	10.07	11.41	10.91	8.81	10.20
γ 137.0	7.66	5.92	5.35	8.57	9.38	9.48	7.95	10.30	11.52	10.91	8.80	10.20
γ 138.0	7.89	6.04	5.35	8.57	9.33	9.42	7.83	10.59	11.59	10.91	8.22	10.20
γ 139.0	6.97	5.98	5.35	8.57	9.44	9.42	7.83	10.53	11.76	10.91	8.10	10.20
γ 140.0	7.03	6.04	5.40	8.51	9.50	9.42	7.83	10.53	11.88	10.91	8.04	10.20
γ 141.0	8.21	6.32	5.29	8.33	9.50	9.42	7.83	10.53	12.11	10.91	8.11	10.20
γ 142.0	8.36	6.28	5.22	8.21	9.44	9.36	7.90	10.53	12.35	10.97	8.16	10.03
γ 143.0	8.37	6.28	5.11	7.98	9.33	9.30	8.02	10.53	12.58	10.97	8.34	10.03
γ 144.0	8.37	6.45	4.93	7.98	9.27	9.30	8.07	10.53	12.52	11.03	8.75	10.03
γ 145.0	8.37	6.51	4.88	7.87	9.15	9.30	8.31	10.59	12.58	11.14	8.94	10.03
γ 146.0	8.65	6.57	5.11	7.80	8.98	9.30	8.60	10.59	12.70	11.14	9.40	10.03
γ 147.0	8.77	6.62	5.28	7.80	8.98	9.30	8.83	10.59	12.70	11.14	9.57	9.86
γ 148.0	8.89	7.03	5.57	7.85	8.98	9.30	9.12	10.65	12.70	11.14	10.11	9.86
γ 149.0	8.89	6.98	6.11	7.85	9.04	9.30	9.12	10.29	12.75	11.20	10.64	9.79
γ 150.0	8.95	6.98	6.16	7.85	8.92	9.30	9.12	10.12	12.57	10.97	10.91	9.61
γ 151.0	8.89	6.87	6.45	7.85	8.87	9.30	9.12	10.12	12.27	10.97	10.86	9.37
γ 152.0	8.89	7.10	6.52	7.85	8.75	9.30	9.12	10.06	11.70	10.91	10.86	9.03
γ 153.0	8.77	7.04	6.92	8.03	8.74	9.30	9.12	9.83	11.52	10.97	10.80	9.03
γ 154.0	8.72	7.04	7.05	8.04	8.51	9.25	9.18	9.72	11.17	10.84	10.68	8.91
γ 155.0	8.72	7.10	7.16	8.15	8.22	9.23	8.89	9.71	10.71	10.73	10.56	8.85
γ 156.0	8.66	7.10	7.22	8.15	8.05	9.12	8.83	9.36	10.42	10.73	10.04	8.80
γ 157.0	8.43	7.10	7.39	8.27	7.70	9.12	8.82	9.36	10.35	10.20	9.80	8.73
γ 158.0	8.26	7.15	7.45	8.38	7.47	9.06	8.53	9.36	9.89	9.80	9.51	8.61
γ 159.0	8.19	7.15	7.45	8.33	7.47	8.72	8.53	9.36	9.72	9.74	9.27	8.57
γ 160.0	8.13	7.21	7.74	8.33	7.59	8.36	8.48	9.36	9.71	9.68	9.15	8.57
γ 161.0	8.07	7.21	7.87	8.33	7.88	8.19	8.48	9.36	9.65	9.68	9.04	8.57
γ 162.0	8.13	7.27	7.92	8.33	8.22	8.02	8.48	9.36	9.48	9.73	9.04	8.63
γ 163.0	8.07	7.39	8.15	8.33	8.46	8.02	8.48	9.36	9.36	9.61	9.04	8.63
γ 164.0	8.02	7.57	8.22	8.33	8.52	7.96	8.48	9.36	9.30	9.44	9.04	8.80
γ 165.0	8.07	7.91	8.28	8.21	8.64	7.97	8.48	9.36	9.19	9.44	9.04	8.97
γ 166.0	8.02	7.92	8.51	8.21	8.57	8.27	8.54	9.37	9.19	9.44	9.17	9.10
γ 167.0	7.96	8.54	8.80	8.15	6.31	8.96	8.61	9.68	9.61	9.83	9.71	9.52
γ 168.0	8.25	9.26	9.51	8.27	9.44	9.42	9.19	10.72	10.65	10.75	10.45	10.44
γ 169.0	8.94	9.73	9.97	8.84	9.73	9.60	9.77	11.48	11.59	11.45	10.93	10.97
γ 170.0	9.65	10.03	10.33	8.97	10.37	10.18	10.48	11.88	12.19	12.21	11.40	11.43
γ 171.0	10.12	10.26	10.45	8.97	10.83	10.69	10.88	11.88	12.75	12.79	11.80	11.61
γ 172.0	10.69	10.38	10.63	9.09	11.01	10.98	11.05	11.88	12.75	12.85	11.80	11.66
γ 173.0	10.82	10.56	10.80	9.21	11.06	11.04	10.99	11.82	12.58	12.79	11.80	11.49
γ 174.0	11.05	10.61	10.74	9.21	11.18	11.10	10.99	11.71	12.47	12.67	11.74	11.49
γ 175.0	11.34	10.84	10.97	9.56	11.35	11.04	10.99	11.76	12.34	12.66	11.74	11.49
γ 176.0	11.52	10.86	11.15	9.67	11.29	11.10	11.05	11.58	11.88	12.32	11.56	11.14
γ 177.0	11.58	10.86	11.10	9.86	10.89	10.98	10.82	11.28	11.51	11.96	11.09	11.03
γ 178.0	11.58	10.97	11.15	9.86	10.66	10.80	10.75	10.82	11.17	11.67	10.86	10.90
γ 179.0	11.58	11.09	11.21	9.86	10.14	10.50	10.64	10.65	10.76	11.50	10.80	10.86

---



# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.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
<b>γ 180.0</b>	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59
V/H	C270.0	C292.5	C315.0	C337.5								
<b>γ 0.0</b>	5246.68	5246.68	5246.68	5246.68								
<b>γ 1.0</b>	5250.37	5275.19	5297.20	5312.84								
<b>γ 2.0</b>	5249.84	5299.50	5344.06	5372.64								
<b>γ 3.0</b>	5241.09	5323.14	5388.45	5431.35								
<b>γ 4.0</b>	5229.03	5347.96	5431.40	5485.89								
<b>γ 5.0</b>	5223.99	5373.86	5473.99	5538.55								
<b>γ 6.0</b>	5222.69	5396.17	5513.10	5593.05								
<b>γ 7.0</b>	5220.80	5416.38	5551.87	5645.21								
<b>γ 8.0</b>	5218.93	5436.49	5589.79	5693.31								
<b>γ 9.0</b>	5215.16	5460.51	5626.04	5733.59								
<b>γ 10.0</b>	5215.74	5481.45	5663.62	5771.78								
<b>γ 11.0</b>	5222.63	5499.94	5701.95	5810.14								
<b>γ 12.0</b>	5232.71	5525.80	5738.93	5851.23								
<b>γ 13.0</b>	5239.72	5559.49	5777.89	5892.29								
<b>γ 14.0</b>	5244.62	5594.53	5816.14	5933.75								
<b>γ 15.0</b>	5250.44	5626.54	5850.49	5970.17								
<b>γ 16.0</b>	5259.03	5658.77	5882.48	6004.17								
<b>γ 17.0</b>	5271.08	5690.79	5912.35	6036.64								
<b>γ 18.0</b>	5284.54	5721.42	5945.01	6070.60								
<b>γ 19.0</b>	5301.97	5751.00	5977.87	6102.89								
<b>γ 20.0</b>	5326.13	5776.10	6008.74	6133.05								
<b>γ 21.0</b>	5351.32	5804.46	6038.13	6162.48								
<b>γ 22.0</b>	5382.33	5835.05	6066.89	6193.93								
<b>γ 23.0</b>	5414.77	5863.91	6095.97	6230.54								
<b>γ 24.0</b>	5448.48	5893.27	6122.39	6269.60								
<b>γ 25.0</b>	5476.23	5920.91	6146.21	6305.05								
<b>γ 26.0</b>	5506.41	5950.57	6168.68	6336.21								
<b>γ 27.0</b>	5541.87	5981.36	6183.16	6361.64								
<b>γ 28.0</b>	5577.91	6012.27	6197.65	6382.61								
<b>γ 29.0</b>	5616.93	6043.34	6211.84	6399.50								
<b>γ 30.0</b>	5650.26	6067.74	6222.79	6410.50								
<b>γ 31.0</b>	5681.93	6091.88	6234.25	6413.78								
<b>γ 32.0</b>	5718.54	6113.77	6250.58	6405.74								
<b>γ 33.0</b>	5748.87	6132.47	6265.52	6387.04								
<b>γ 34.0</b>	5775.47	6148.60	6271.19	6363.33								
<b>γ 35.0</b>	5802.35	6164.03	6273.22	6337.09								
<b>γ 36.0</b>	5824.01	6177.48	6269.47	6305.12								
<b>γ 37.0</b>	5845.14	6186.85	6260.09	6271.16								
<b>γ 38.0</b>	5863.25	6199.65	6242.69	6231.03								
<b>γ 39.0</b>	5879.89	6216.31	6224.71	6189.79								
<b>γ 40.0</b>	5890.29	6236.62	6208.63	6139.38								
<b>γ 41.0</b>	5902.34	6254.82	6193.20	6076.77								
<b>γ 42.0</b>	5915.44	6270.65	6176.16	6017.42								

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
γ 43.0	5928.22	6282.52	6165.03	5954.48
γ 44.0	5929.65	6289.52	6154.11	5887.11
γ 45.0	5928.42	6298.49	6140.51	5808.70
γ 46.0	5919.05	6303.52	6129.98	5720.34
γ 47.0	5916.49	6310.48	6117.92	5617.44
γ 48.0	5917.65	6302.38	6102.11	5505.35
γ 49.0	5923.96	6288.53	6075.52	5381.68
γ 50.0	5929.02	6272.85	6044.19	5257.59
γ 51.0	5932.78	6255.19	5996.18	5127.78
γ 52.0	5927.17	6240.33	5926.47	4988.62
γ 53.0	5925.89	6221.44	5859.26	4855.08
γ 54.0	5918.46	6191.55	5784.57	4712.37
γ 55.0	5912.07	6159.92	5698.72	4566.67
γ 56.0	5893.36	6128.79	5610.03	4414.85
γ 57.0	5866.13	6092.75	5513.66	4237.75
γ 58.0	5832.09	6043.46	5422.25	4026.44
γ 59.0	5805.10	5997.58	5321.96	3759.56
γ 60.0	5776.32	5937.78	5210.59	3424.37
γ 61.0	5745.89	5874.61	5087.22	3031.28
γ 62.0	5720.12	5804.98	4944.48	2618.54
γ 63.0	5697.46	5732.91	4788.68	2206.82
γ 64.0	5681.41	5655.25	4613.85	1803.67
γ 65.0	5666.27	5578.82	4408.41	1459.57
γ 66.0	5643.04	5496.99	4164.68	1116.17
γ 67.0	5618.04	5407.30	3886.46	815.27
γ 68.0	5588.24	5301.11	3570.95	576.83
γ 69.0	5560.46	5187.19	3221.56	422.37
γ 70.0	5537.72	5062.12	2871.06	306.98
γ 71.0	5510.25	4935.47	2508.18	229.17
γ 72.0	5433.45	4802.49	2146.69	187.42
γ 73.0	5222.86	4662.28	1853.04	167.51
γ 74.0	4824.53	4500.28	1560.64	152.60
γ 75.0	4024.75	4306.98	1268.23	138.30
γ 76.0	3320.83	3891.65	1011.75	123.14
γ 77.0	2682.58	3403.82	741.44	106.38
γ 78.0	2375.04	2915.96	509.51	94.05
γ 79.0	2011.36	2511.90	256.50	83.06
γ 80.0	1537.56	1910.41	134.50	67.70
γ 81.0	1061.93	1439.97	90.50	46.63
γ 82.0	586.30	972.09	67.75	26.08
γ 83.0	378.73	553.93	42.61	9.69
γ 84.0	186.85	271.07	20.15	4.35
γ 85.0	48.76	107.64	9.95	3.53
γ 86.0	20.32	29.34	7.74	2.31
γ 87.0	15.04	14.95	5.40	0.91

---

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
γ 88.0	12.34	10.06	3.22	0.01
γ 89.0	9.53	8.66	2.46	0.00
γ 90.0	9.15	8.03	2.10	0.00
γ 91.0	8.87	7.62	1.93	0.00
γ 92.0	8.81	7.33	1.93	0.00
γ 93.0	8.81	7.15	1.82	0.00
γ 94.0	8.87	7.10	1.70	0.00
γ 95.0	8.98	6.92	1.69	0.00
γ 96.0	9.10	6.81	1.69	0.00
γ 97.0	9.61	6.85	1.69	0.00
γ 98.0	9.79	6.62	1.69	0.00
γ 99.0	10.23	6.62	1.69	0.00
γ 100.0	10.60	6.62	1.86	0.00
γ 101.0	10.89	6.74	2.22	0.00
γ 102.0	11.12	6.97	2.22	0.00
γ 103.0	11.64	7.03	2.28	0.17
γ 104.0	12.39	7.60	2.51	0.34
γ 105.0	12.80	7.79	2.58	0.46
γ 106.0	13.20	8.13	2.81	0.53
γ 107.0	13.66	8.59	3.04	0.82
γ 108.0	14.02	8.66	3.22	0.99
γ 109.0	14.25	8.95	3.22	1.12
γ 110.0	14.48	9.29	3.34	1.17
γ 111.0	14.65	9.65	3.39	1.29
γ 112.0	14.77	9.82	3.62	1.46
γ 113.0	14.83	9.82	3.98	1.46
γ 114.0	15.00	9.82	4.15	1.58
γ 115.0	15.24	9.82	4.21	1.52
γ 116.0	15.24	9.82	4.27	1.52
γ 117.0	15.24	9.82	4.55	1.52
γ 118.0	15.24	9.82	4.80	1.58
γ 119.0	15.12	9.82	5.08	1.92
γ 120.0	15.07	9.82	5.08	2.56
γ 121.0	15.01	9.82	5.14	2.92
γ 122.0	14.89	9.71	5.32	3.27
γ 123.0	14.60	9.65	5.27	3.45
γ 124.0	14.55	9.65	5.27	3.62
γ 125.0	14.43	9.65	5.04	3.92
γ 126.0	14.42	9.65	4.85	4.15
γ 127.0	14.42	9.71	4.85	4.27
γ 128.0	14.26	9.42	4.85	4.57
γ 129.0	14.09	9.30	4.85	4.62
γ 130.0	13.63	8.96	4.85	4.74
γ 131.0	13.39	8.67	4.85	4.91
γ 132.0	13.04	8.54	4.85	5.15

---

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
γ 133.0	12.70	8.37	4.85	5.38
γ 134.0	12.41	8.26	4.85	5.32
γ 135.0	12.22	8.08	4.85	5.89
γ 136.0	12.22	8.03	4.85	6.03
γ 137.0	11.99	8.02	4.85	5.91
γ 138.0	11.76	8.07	4.85	5.85
γ 139.0	11.59	7.97	4.91	6.43
γ 140.0	11.53	7.79	5.03	6.55
γ 141.0	11.30	7.44	5.03	6.67
γ 142.0	11.12	7.04	5.14	6.67
γ 143.0	10.79	6.81	5.31	6.67
γ 144.0	10.66	6.68	5.44	6.67
γ 145.0	10.55	6.39	5.55	6.67
γ 146.0	10.32	6.39	5.96	6.44
γ 147.0	10.26	6.34	6.03	6.44
γ 148.0	10.09	6.34	6.37	6.44
γ 149.0	10.03	6.34	6.72	6.61
γ 150.0	9.97	6.34	7.01	6.84
γ 151.0	9.80	6.34	7.36	7.03
γ 152.0	9.33	6.39	7.49	7.14
γ 153.0	8.82	6.45	7.89	7.31
γ 154.0	8.41	6.57	8.02	7.37
γ 155.0	8.06	6.85	8.02	7.43
γ 156.0	7.88	6.97	8.07	7.37
γ 157.0	7.82	7.14	8.19	7.43
γ 158.0	7.88	7.27	8.13	7.43
γ 159.0	7.88	7.33	8.25	7.49
γ 160.0	8.11	7.38	8.36	7.60
γ 161.0	8.28	7.44	8.36	7.67
γ 162.0	8.28	7.66	8.48	7.79
γ 163.0	8.28	7.79	8.76	7.96
γ 164.0	8.28	7.84	8.77	8.02
γ 165.0	8.28	7.90	8.89	7.96
γ 166.0	8.28	8.07	9.06	8.02
γ 167.0	8.68	8.25	9.46	7.90
γ 168.0	8.98	8.66	9.88	8.66
γ 169.0	9.32	9.05	10.51	9.46
γ 170.0	9.56	9.18	10.58	10.28
γ 171.0	9.67	9.58	10.81	10.65
γ 172.0	9.96	9.76	10.99	10.76
γ 173.0	10.13	9.82	11.05	10.76
γ 174.0	10.32	10.11	11.17	10.76
γ 175.0	10.26	10.45	11.28	10.89
γ 176.0	10.26	10.74	11.22	10.83
γ 177.0	10.09	10.87	11.28	10.83

---

# IES Road Report

Photometric Filename:150W-HV-277V(9)\_IESNA2002.IES

---

## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
$\gamma$ 178.0	9.80	10.81	11.05	10.83
$\gamma$ 179.0	9.73	10.81	10.99	10.83
$\gamma$ 180.0	11.59	11.59	11.59	11.59

