

IES Indoor Report

Photometric Filename: HV5528T 4000K RA80 90D.IES

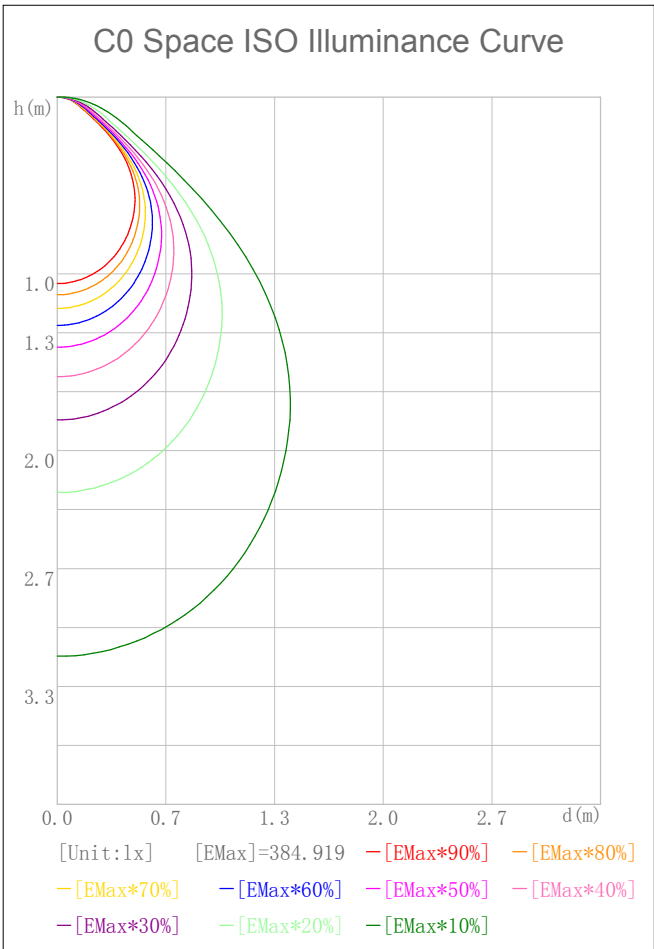
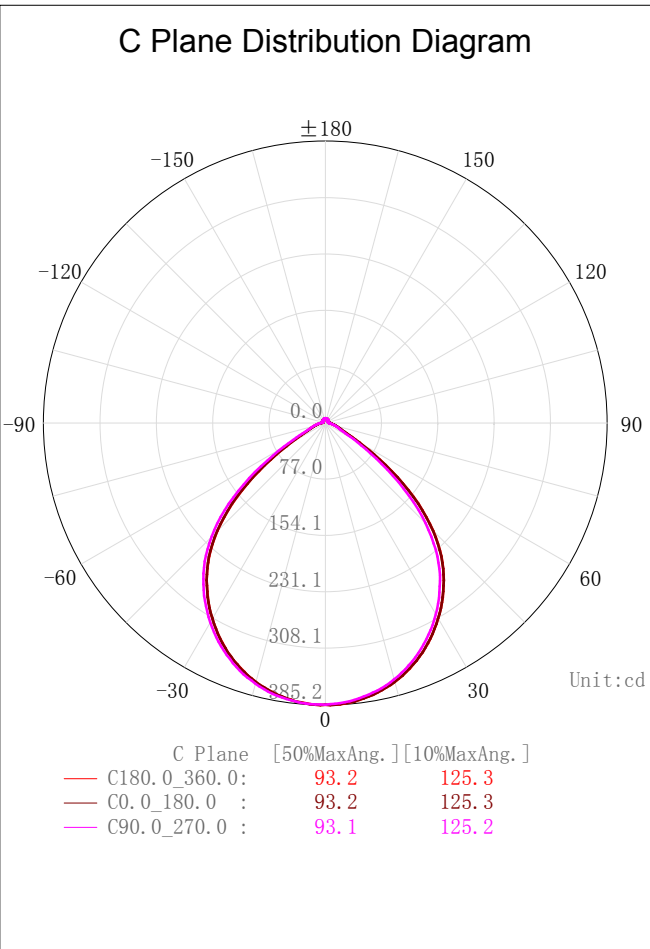
Indoor Luminaire Photometric Data

Description Information

Luminaire Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/06/22
Manufacture: Havit Lighting	Shld. Ang(°):	Test Machine: GON-2000
Test Lab: QC Department	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.100m*0.100m*0.060m	Lum. Area (m ²): 0.016	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity (%): 50.0

Character Parameter

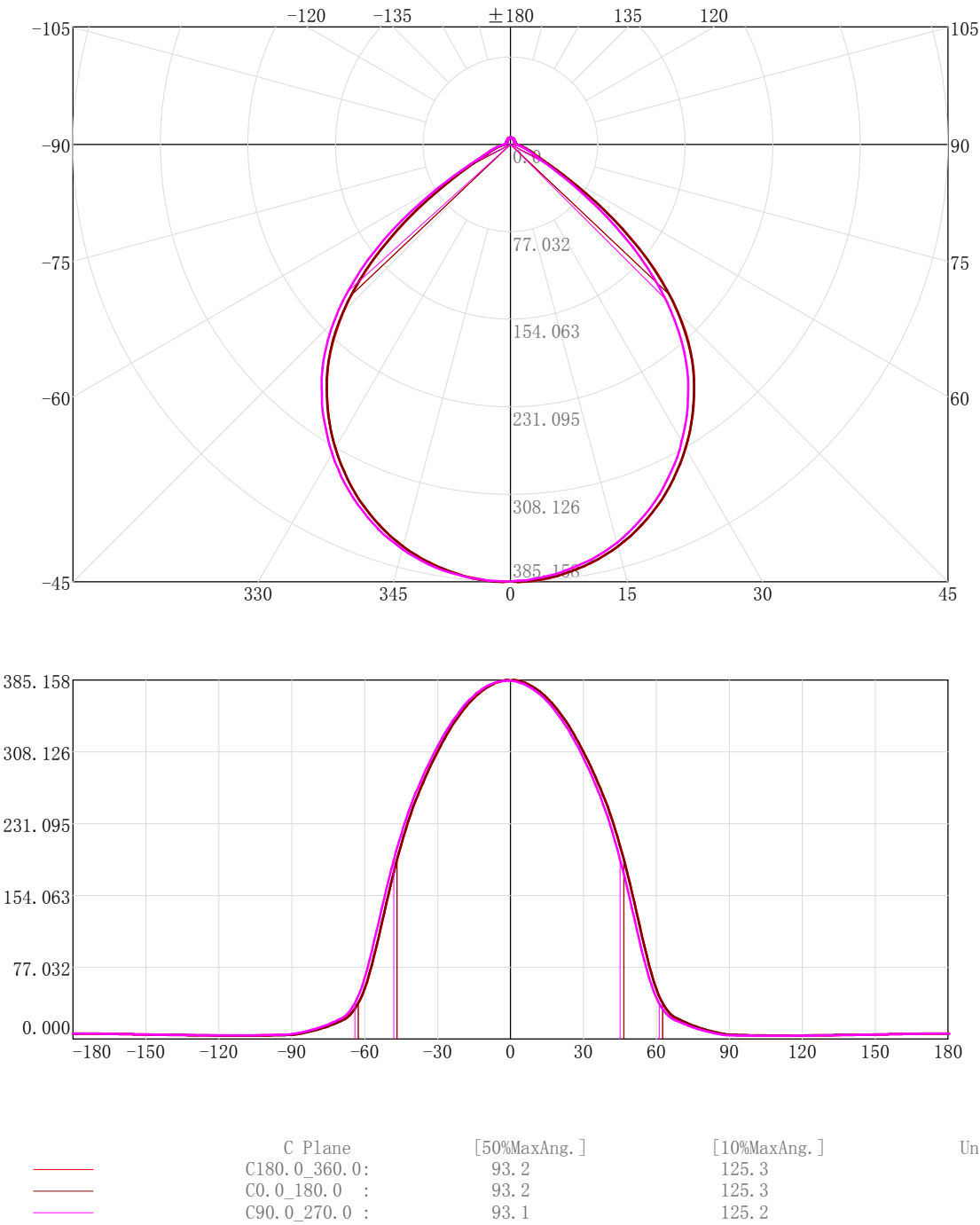
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 997.000	Luminaire Flux(lm): 798.932	Field Angle(10%Imax): 125.3(°)
Rated Power(W):	Luminaire Efficiency: 80.13%	Down Lumens&Percent: 770.916lm 96.49%
Rated Voltage(V):	Luminaire EER(lm/W): 91.631	Up Lumens&Percent: 28.016lm 3.51%
Tested Power(W): 8.719	Max. Candela(cd): 385.158	S/MH: C0_a180=1.195 C90_270=1.193
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 240.3, 0.039, 0.910	Beam Angle(50%Imax): 93.2(°)	ErP Φuse(120°): 710.976lm
Lamp Size(W*L*H): 0.100m*0.100m*0.060m	Left=-46.6°, Right=46.7°	IRF(%): 125.482



2D Plane Light Intensity Distribution Curve

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

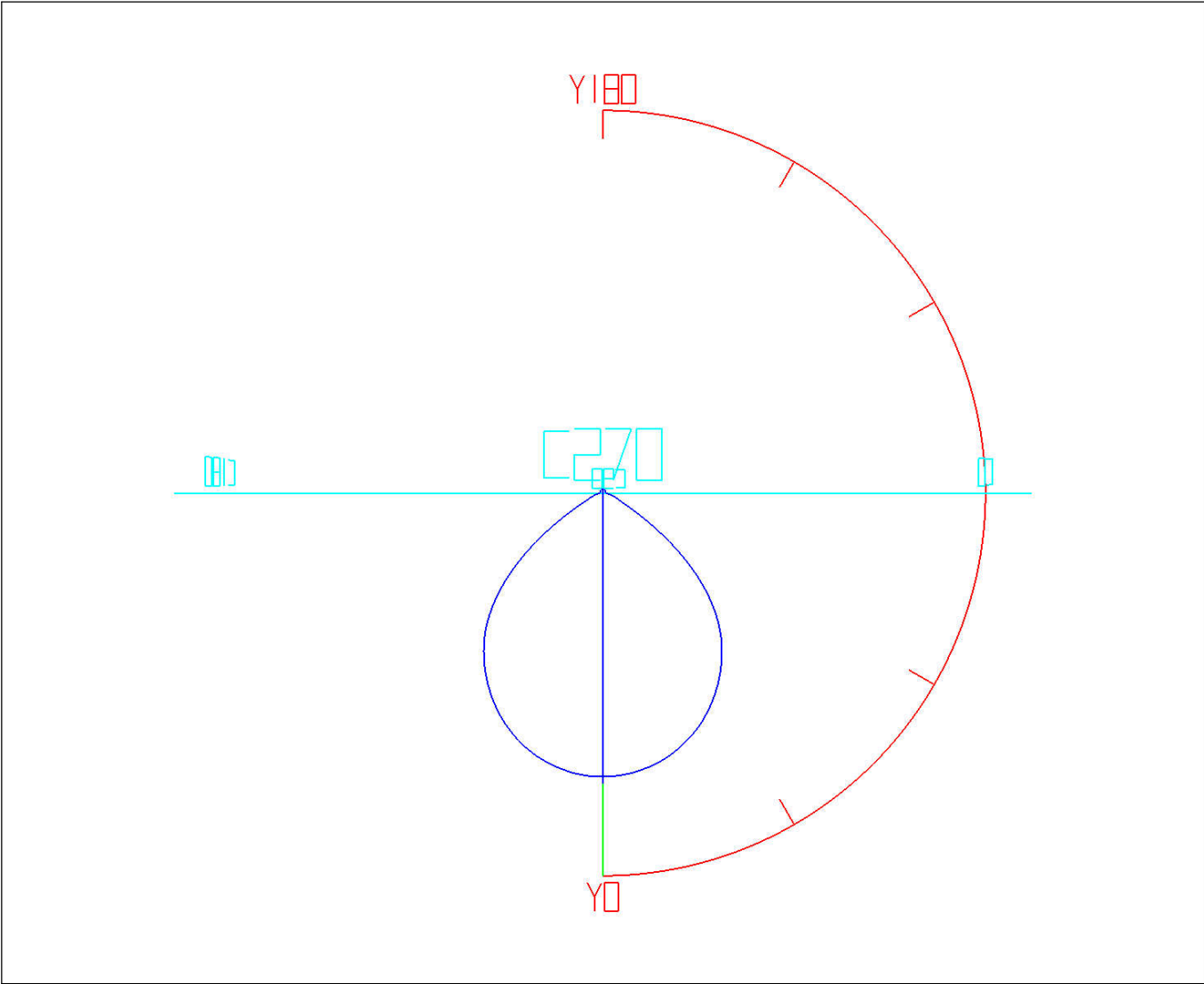
C Plane Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

3D Light Intensity Distribution Modal



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

Zonal Flux Tabulation

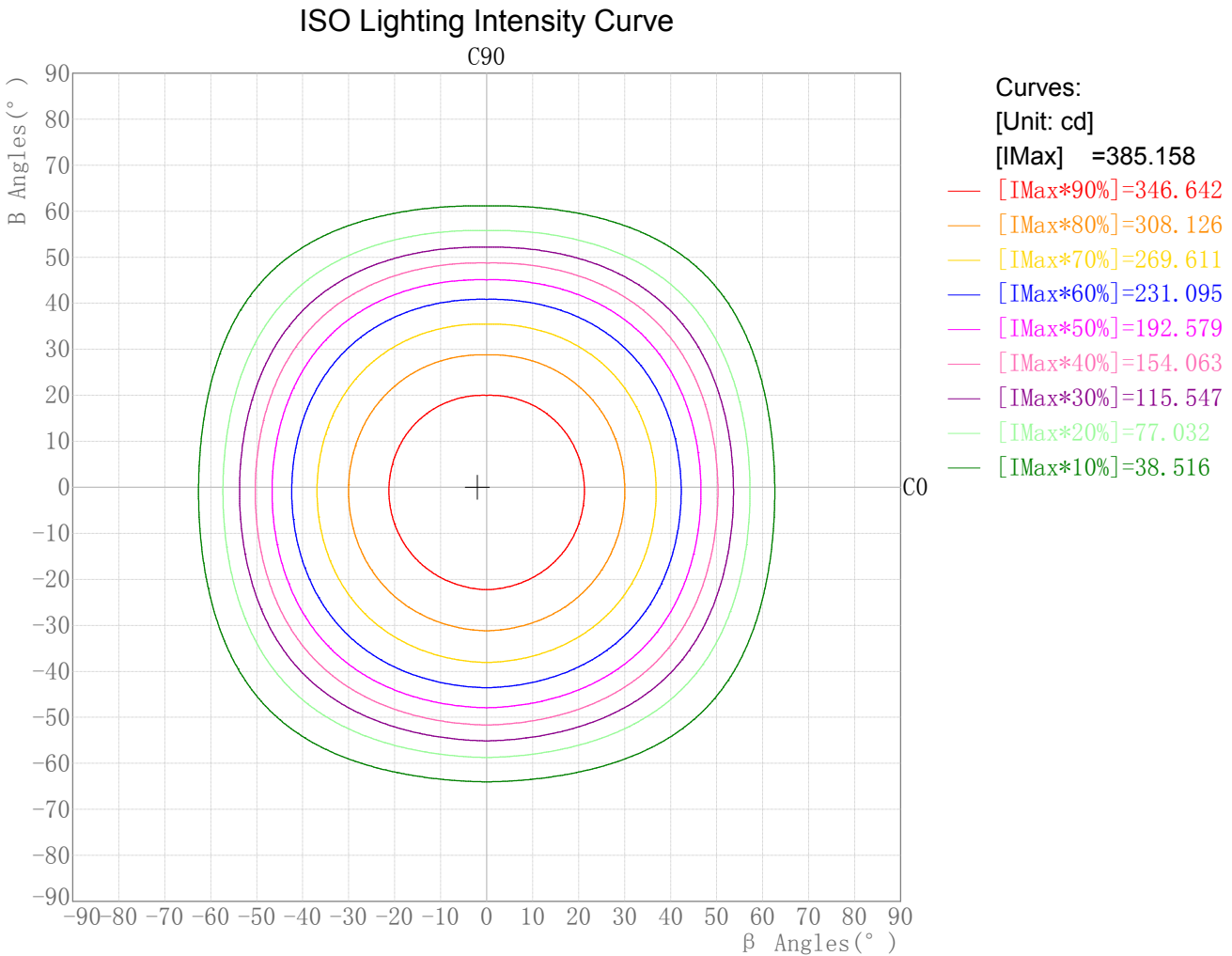
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.37	0.37	0.04	0.04	47.0-48.0	14.80	597.47	1.48	59.93
1.0-2.0	1.10	1.47	0.11	0.15	48.0-49.0	14.18	611.65	1.42	61.35
2.0-3.0	1.84	3.31	0.18	0.33	49.0-50.0	13.51	625.16	1.36	62.70
3.0-4.0	2.57	5.88	0.26	0.59	50.0-51.0	12.79	637.95	1.28	63.99
4.0-5.0	3.30	9.18	0.33	0.92	51.0-52.0	12.02	649.97	1.21	65.19
5.0-6.0	4.02	13.19	0.40	1.32	52.0-53.0	11.21	661.18	1.12	66.32
6.0-7.0	4.73	17.92	0.47	1.80	53.0-54.0	10.36	671.54	1.04	67.36
7.0-8.0	5.44	23.36	0.55	2.34	54.0-55.0	9.50	681.04	0.95	68.31
8.0-9.0	6.14	29.50	0.62	2.96	55.0-56.0	8.63	689.67	0.87	69.17
9.0-10.0	6.83	36.32	0.68	3.64	56.0-57.0	7.79	697.46	0.78	69.96
10.0-11.0	7.50	43.83	0.75	4.40	57.0-58.0	6.98	704.44	0.70	70.66
11.0-12.0	8.17	52.00	0.82	5.22	58.0-59.0	6.21	710.65	0.62	71.28
12.0-13.0	8.82	60.82	0.88	6.10	59.0-60.0	5.50	716.15	0.55	71.83
13.0-14.0	9.46	70.27	0.95	7.05	60.0-61.0	4.87	721.02	0.49	72.32
14.0-15.0	10.08	80.35	1.01	8.06	61.0-62.0	4.31	725.33	0.43	72.75
15.0-16.0	10.68	91.03	1.07	9.13	62.0-63.0	3.84	729.17	0.39	73.14
16.0-17.0	11.27	102.30	1.13	10.26	63.0-64.0	3.43	732.61	0.34	73.48
17.0-18.0	11.83	114.13	1.19	11.45	64.0-65.0	3.09	735.69	0.31	73.79
18.0-19.0	12.38	126.51	1.24	12.69	65.0-66.0	2.79	738.49	0.28	74.07
19.0-20.0	12.90	139.42	1.29	13.98	66.0-67.0	2.56	741.04	0.26	74.33
20.0-21.0	13.41	152.82	1.34	15.33	67.0-68.0	2.37	743.41	0.24	74.57
21.0-22.0	13.88	166.71	1.39	16.72	68.0-69.0	2.23	745.64	0.22	74.79
22.0-23.0	14.34	181.05	1.44	18.16	69.0-70.0	2.10	747.74	0.21	75.00
23.0-24.0	14.77	195.82	1.48	19.64	70.0-71.0	1.99	749.74	0.20	75.20
24.0-25.0	15.17	210.99	1.52	21.16	71.0-72.0	1.88	751.62	0.19	75.39
25.0-26.0	15.55	226.54	1.56	22.72	72.0-73.0	1.77	753.39	0.18	75.57
26.0-27.0	15.90	242.44	1.59	24.32	73.0-74.0	1.67	755.06	0.17	75.73
27.0-28.0	16.22	258.66	1.63	25.94	74.0-75.0	1.57	756.63	0.16	75.89
28.0-29.0	16.51	275.17	1.66	27.60	75.0-76.0	1.48	758.11	0.15	76.04
29.0-30.0	16.77	291.95	1.68	29.28	76.0-77.0	1.39	759.49	0.14	76.18
30.0-31.0	17.00	308.95	1.71	30.99	77.0-78.0	1.30	760.79	0.13	76.31
31.0-32.0	17.21	326.16	1.73	32.71	78.0-79.0	1.21	762.01	0.12	76.43
32.0-33.0	17.37	343.53	1.74	34.46	79.0-80.0	1.13	763.14	0.11	76.54
33.0-34.0	17.51	361.04	1.76	36.21	80.0-81.0	1.06	764.20	0.11	76.65
34.0-35.0	17.61	378.65	1.77	37.98	81.0-82.0	0.99	765.19	0.10	76.75
35.0-36.0	17.67	396.32	1.77	39.75	82.0-83.0	0.92	766.11	0.09	76.84
36.0-37.0	17.71	414.03	1.78	41.53	83.0-84.0	0.85	766.96	0.09	76.93
37.0-38.0	17.70	431.73	1.78	43.30	84.0-85.0	0.79	767.75	0.08	77.01
38.0-39.0	17.66	449.39	1.77	45.07	85.0-86.0	0.73	768.48	0.07	77.08
39.0-40.0	17.57	466.96	1.76	46.84	86.0-87.0	0.68	769.16	0.07	77.15
40.0-41.0	17.42	484.38	1.75	48.58	87.0-88.0	0.63	769.79	0.06	77.21
41.0-42.0	17.22	501.60	1.73	50.31	88.0-89.0	0.58	770.37	0.06	77.27
42.0-43.0	16.96	518.56	1.70	52.01	89.0-90.0	0.55	770.92	0.05	77.32
43.0-44.0	16.64	535.20	1.67	53.68	90.0-91.0	0.52	771.44	0.05	77.38
44.0-45.0	16.27	551.47	1.63	55.31	91.0-92.0	0.51	771.95	0.05	77.43
45.0-46.0	15.84	567.32	1.59	56.90	92.0-93.0	0.50	772.46	0.05	77.48
46.0-47.0	15.35	582.67	1.54	58.44	93.0-94.0	0.49	772.95	0.05	77.53

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	0.49	773.44	0.05	77.58	141.0-142.0	0.32	791.88	0.03	79.43
95.0-96.0	0.48	773.92	0.05	77.62	142.0-143.0	0.32	792.19	0.03	79.46
96.0-97.0	0.47	774.39	0.05	77.67	143.0-144.0	0.31	792.51	0.03	79.49
97.0-98.0	0.47	774.85	0.05	77.72	144.0-145.0	0.31	792.81	0.03	79.52
98.0-99.0	0.46	775.31	0.05	77.76	145.0-146.0	0.30	793.12	0.03	79.55
99.0-100.0	0.45	775.77	0.05	77.81	146.0-147.0	0.30	793.41	0.03	79.58
100.0-101.0	0.45	776.22	0.04	77.86	147.0-148.0	0.29	793.71	0.03	79.61
101.0-102.0	0.44	776.66	0.04	77.90	148.0-149.0	0.29	793.99	0.03	79.64
102.0-103.0	0.44	777.10	0.04	77.94	149.0-150.0	0.28	794.27	0.03	79.67
103.0-104.0	0.43	777.53	0.04	77.99	150.0-151.0	0.28	794.55	0.03	79.69
104.0-105.0	0.43	777.96	0.04	78.03	151.0-152.0	0.27	794.82	0.03	79.72
105.0-106.0	0.42	778.38	0.04	78.07	152.0-153.0	0.26	795.08	0.03	79.75
106.0-107.0	0.42	778.80	0.04	78.11	153.0-154.0	0.26	795.34	0.03	79.77
107.0-108.0	0.42	779.22	0.04	78.16	154.0-155.0	0.25	795.59	0.03	79.80
108.0-109.0	0.41	779.63	0.04	78.20	155.0-156.0	0.24	795.83	0.02	79.82
109.0-110.0	0.41	780.04	0.04	78.24	156.0-157.0	0.24	796.07	0.02	79.85
110.0-111.0	0.41	780.45	0.04	78.28	157.0-158.0	0.23	796.29	0.02	79.87
111.0-112.0	0.40	780.86	0.04	78.32	158.0-159.0	0.22	796.51	0.02	79.89
112.0-113.0	0.40	781.26	0.04	78.36	159.0-160.0	0.21	796.73	0.02	79.91
113.0-114.0	0.40	781.66	0.04	78.40	160.0-161.0	0.20	796.93	0.02	79.93
114.0-115.0	0.40	782.05	0.04	78.44	161.0-162.0	0.20	797.13	0.02	79.95
115.0-116.0	0.39	782.45	0.04	78.48	162.0-163.0	0.19	797.31	0.02	79.97
116.0-117.0	0.39	782.84	0.04	78.52	163.0-164.0	0.18	797.49	0.02	79.99
117.0-118.0	0.39	783.23	0.04	78.56	164.0-165.0	0.17	797.66	0.02	80.01
118.0-119.0	0.39	783.62	0.04	78.60	165.0-166.0	0.16	797.82	0.02	80.02
119.0-120.0	0.39	784.01	0.04	78.64	166.0-167.0	0.15	797.97	0.02	80.04
120.0-121.0	0.38	784.39	0.04	78.67	167.0-168.0	0.14	798.11	0.01	80.05
121.0-122.0	0.38	784.77	0.04	78.71	168.0-169.0	0.13	798.24	0.01	80.06
122.0-123.0	0.38	785.15	0.04	78.75	169.0-170.0	0.12	798.36	0.01	80.08
123.0-124.0	0.38	785.53	0.04	78.79	170.0-171.0	0.11	798.46	0.01	80.09
124.0-125.0	0.38	785.91	0.04	78.83	171.0-172.0	0.10	798.56	0.01	80.10
125.0-126.0	0.37	786.28	0.04	78.86	172.0-173.0	0.09	798.65	0.01	80.11
126.0-127.0	0.37	786.65	0.04	78.90	173.0-174.0	0.08	798.72	0.01	80.11
127.0-128.0	0.37	787.02	0.04	78.94	174.0-175.0	0.06	798.79	0.01	80.12
128.0-129.0	0.37	787.39	0.04	78.98	175.0-176.0	0.05	798.84	0.01	80.12
129.0-130.0	0.36	787.75	0.04	79.01	176.0-177.0	0.04	798.88	0.00	80.13
130.0-131.0	0.36	788.11	0.04	79.05	177.0-178.0	0.03	798.91	0.00	80.13
131.0-132.0	0.36	788.47	0.04	79.08	178.0-179.0	0.02	798.93	0.00	80.13
132.0-133.0	0.36	788.83	0.04	79.12	179.0-180.0	0.01	798.93	0.00	80.13
133.0-134.0	0.35	789.18	0.04	79.16					
134.0-135.0	0.35	789.53	0.04	79.19					
135.0-136.0	0.35	789.88	0.03	79.23					
136.0-137.0	0.34	790.22	0.03	79.26					
137.0-138.0	0.34	790.56	0.03	79.29					
138.0-139.0	0.33	790.89	0.03	79.33					
139.0-140.0	0.33	791.23	0.03	79.36					
140.0-141.0	0.33	791.55	0.03	79.39					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

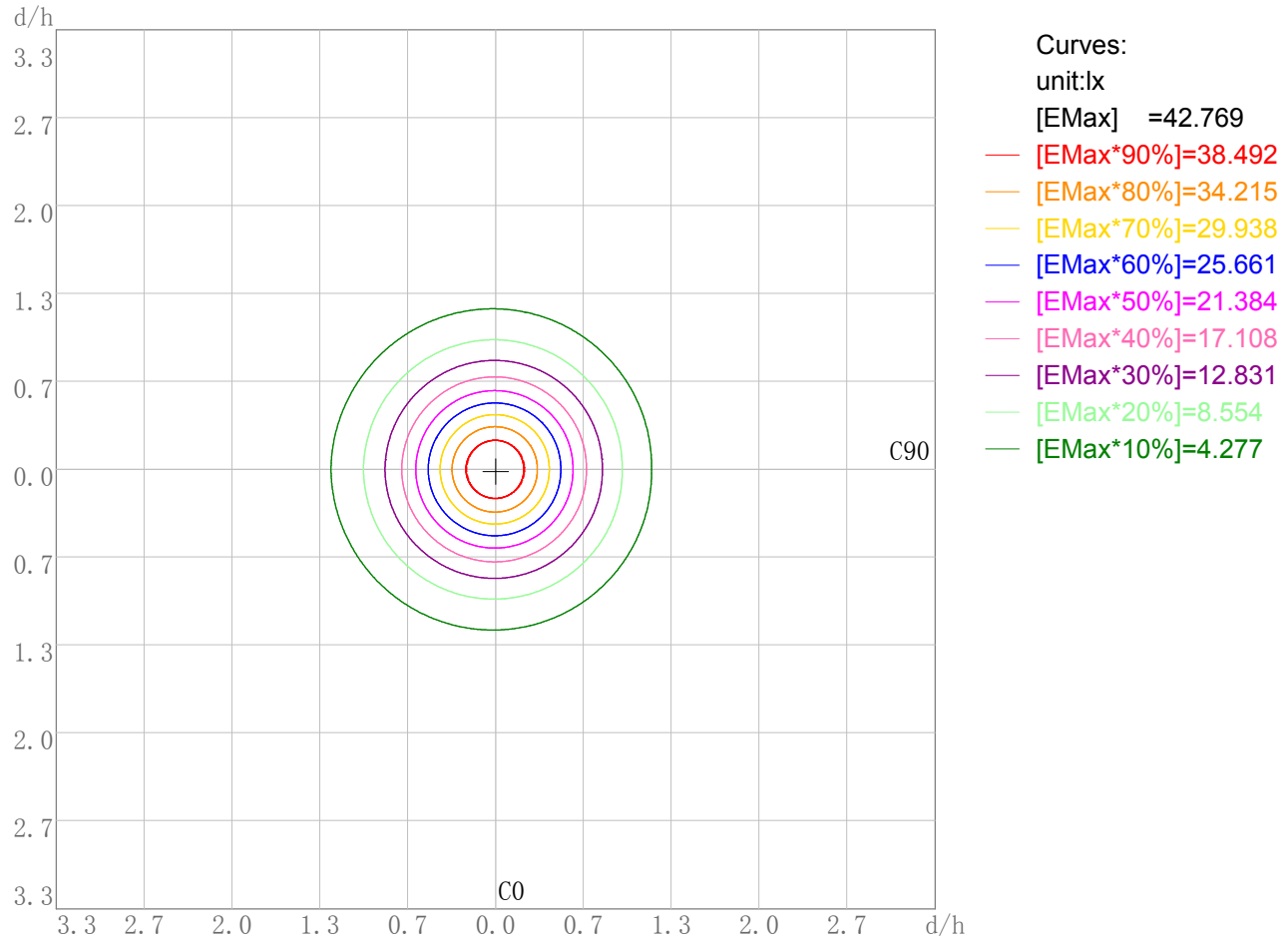


Maximum Light Intensity(cd): 385.16
Maximum Cand.@Angle: H=-2.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
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Plane ISO-Illuminance Curve

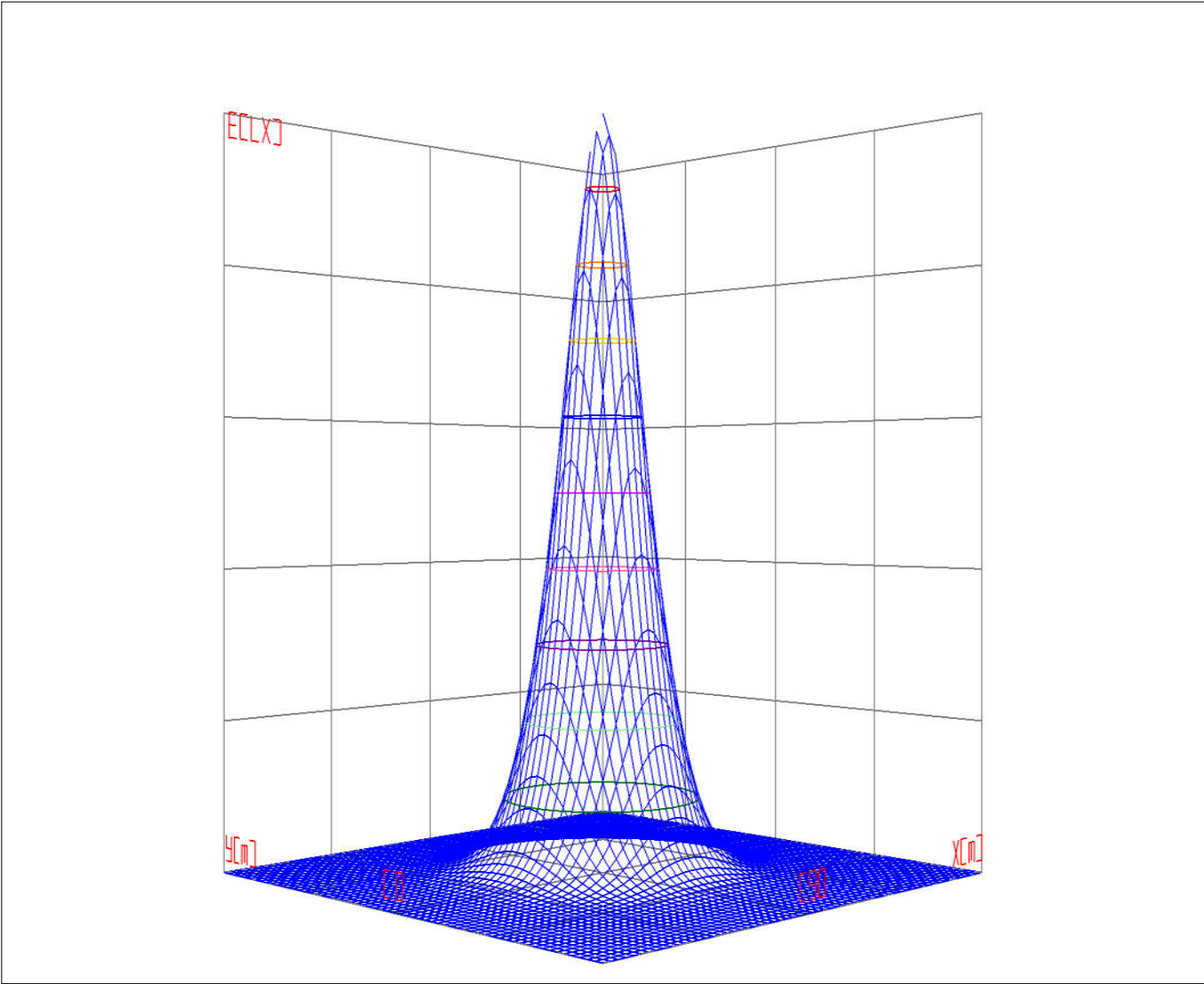


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 42.77
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

3D Plane Illuminance Modal

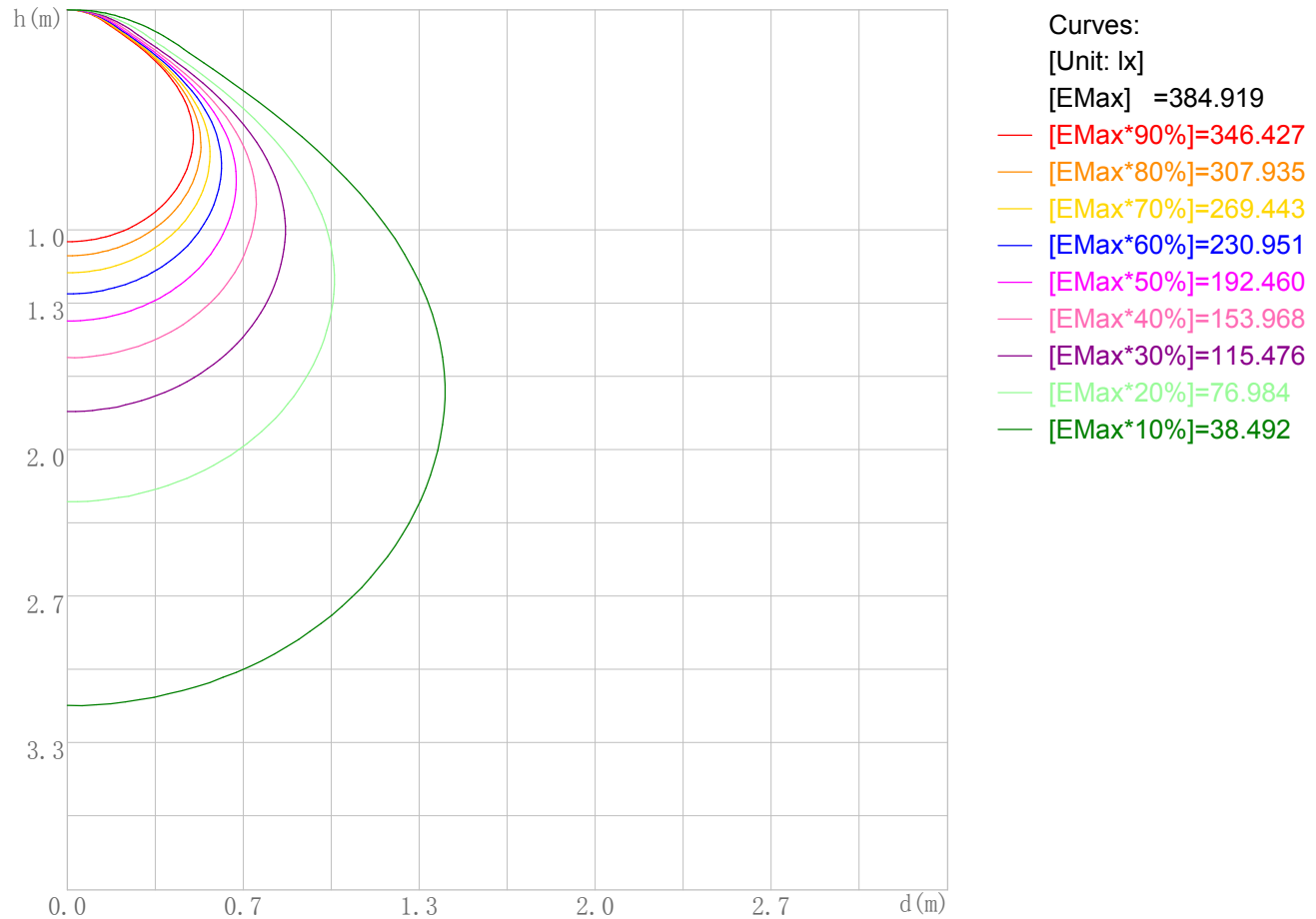


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

Space ISO Illuminance Curve

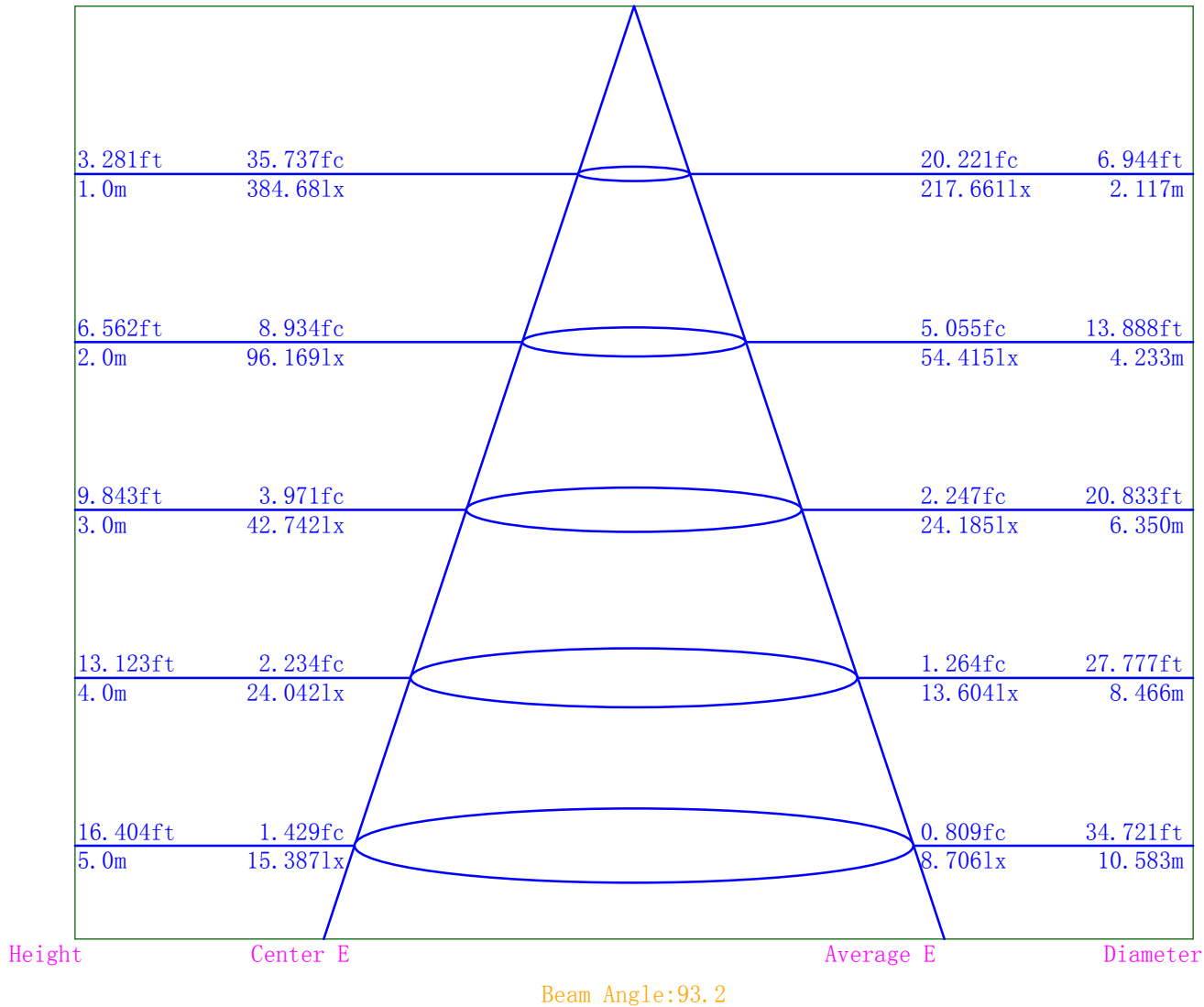


Space Plane Maximum Illuminance and @Angle:384.92lx,1.0deg
 Plane Maximum Lighting Intensity and @Angle:385.095cd,0deg

Illuminance-Distance Diagram

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

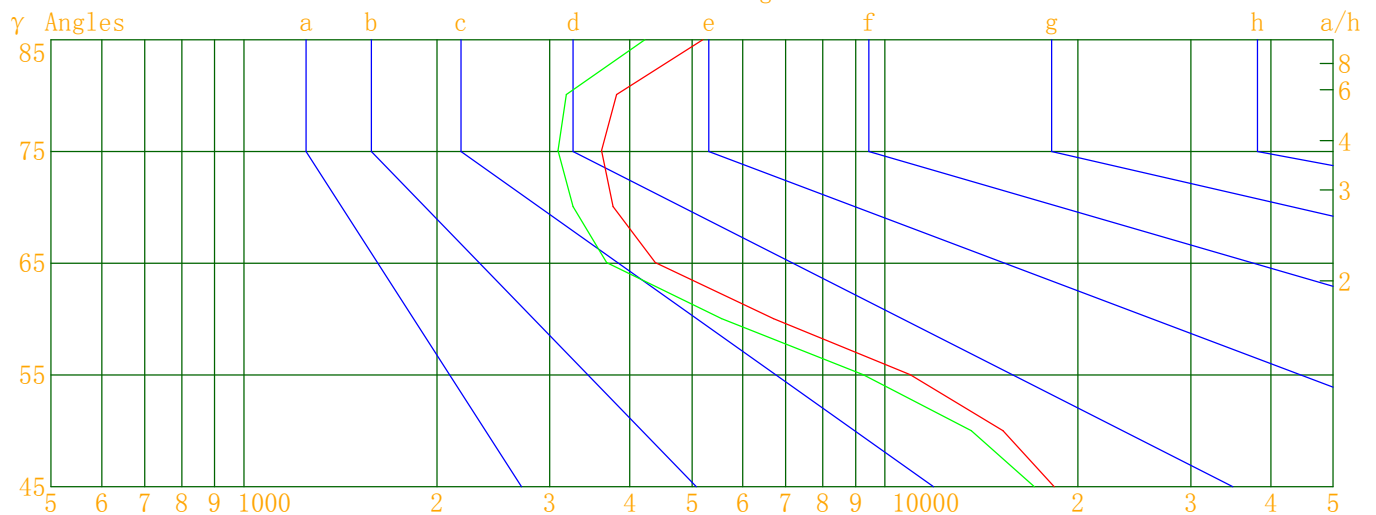
Glare Grade Table

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	18371	15281	10944	6701	4383	3766	3613	3814	5195
C90	17107	13629	9244	5559	3681	3260	3090	3184	4219

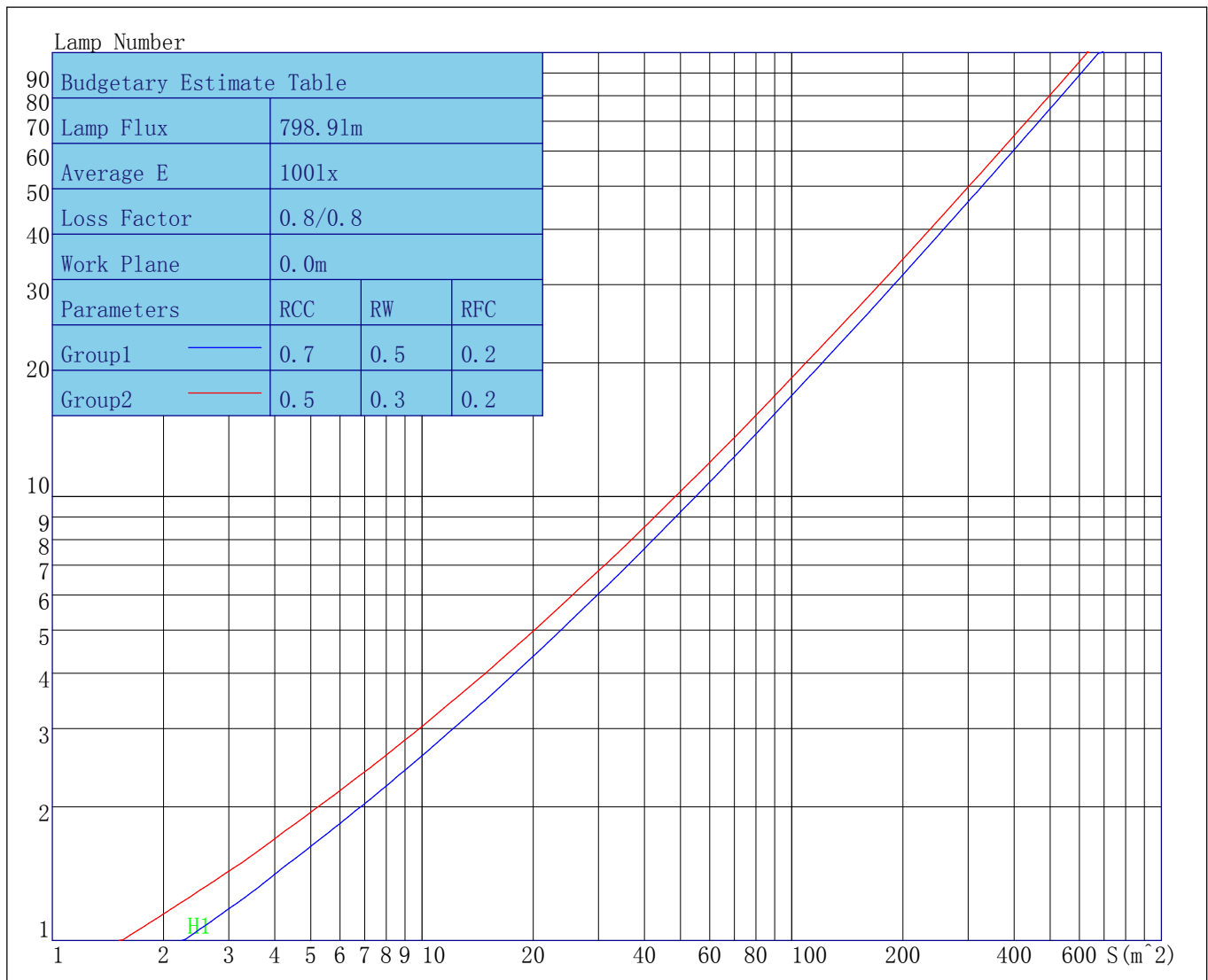
Luminance Limiting Curve



Luminous Size: Length(m)=0.100 Width(m)=0.100 Height(m)=0.060 Area(m²)=0.016000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22



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

Indoor Coefficient of Utilization Table

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

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	95	95	95	95	92	92	92	92	87	87	87	83	83	83	79	79	79	77
1	88	85	82	80	86	83	81	78	79	77	75	76	74	73	73	71	70	68
2	82	76	72	68	80	75	71	67	72	68	65	69	66	63	66	64	62	60
3	76	69	63	59	74	67	62	58	65	60	57	62	59	56	60	57	54	53
4	70	62	56	51	68	61	55	51	59	54	50	56	52	49	54	51	48	46
5	65	56	50	45	63	55	49	45	53	48	44	51	47	44	50	46	43	41
6	61	51	45	40	59	50	44	40	49	43	39	47	42	39	46	42	38	37
7	56	47	40	36	55	46	40	36	45	39	35	43	39	35	42	38	35	33
8	53	43	37	33	51	42	36	32	41	36	32	40	35	32	39	35	31	30
9	49	40	34	30	48	39	33	29	38	33	29	37	32	29	36	32	29	27
10	46	37	31	27	45	36	31	27	35	30	27	34	30	26	33	29	26	25

Unified Glare Rating Table

Lum. Name: HV5528T-4000K	Lum. Catalog:	Test ID: zhang jin cheng
Lamp Name:	Lamp Catalog: LED	Test Lab: QC Department
Manufacture: Havit Lighting	Test Machine: GON-2000	Test Date: 2019/06/22

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	21.2	22.3	21.6	22.7	23.1	20.6	21.7	21.1	22.1	22.5
	21.4	22.3	21.8	22.7	23.1	20.8	21.7	21.3	22.1	22.5
	21.5	22.3	22.0	22.7	23.2	20.9	21.7	21.4	22.1	22.6
	21.6	22.3	22.1	22.7	23.2	21.0	21.7	21.5	22.1	22.6
	21.7	22.3	22.2	22.7	23.2	21.0	21.6	21.5	22.1	22.6
	21.7	22.3	22.2	22.7	23.3	21.1	21.6	21.6	22.1	22.6
X=4H Y=2H	21.3	22.1	21.8	22.5	23.0	20.8	21.5	21.2	22.0	22.5
	21.6	22.2	22.1	22.7	23.2	21.0	21.6	21.5	22.1	22.6
	21.8	22.2	22.3	22.7	23.3	21.2	21.6	21.7	22.1	22.6
	22.0	22.3	22.6	22.8	23.4	21.4	21.7	21.9	22.2	22.8
	22.1	22.4	22.7	22.9	23.4	21.5	21.7	22.0	22.2	22.8
	22.3	22.4	22.8	23.0	23.5	21.6	21.7	22.1	22.3	22.8
X=8H Y=4H	21.9	22.1	22.4	22.6	23.2	21.2	21.5	21.8	22.0	22.5
	22.2	22.2	22.8	22.8	23.4	21.5	21.6	22.1	22.2	22.7
	22.3	22.3	23.0	22.9	23.5	21.7	21.7	22.3	22.3	22.9
	22.6	22.5	23.2	23.1	23.8	21.9	21.8	22.5	22.4	23.1
X=12H Y=4H	21.8	22.0	22.4	22.5	23.1	21.2	21.4	21.8	21.9	22.5
	22.2	22.2	22.8	22.7	23.4	21.5	21.5	22.1	22.1	22.7
	22.4	22.3	23.0	22.9	23.6	21.7	21.7	22.4	22.2	22.9
Variations with the objerver position at spacings										
S=1.0H	0.2/−0.2					0.3/−0.3				
S=1.5H	0.5/−0.5					0.6/−0.6				
S=2.0H	0.9/−0.8					0.8/−0.8				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.0					1.0				

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

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	384.68	384.68	384.68	384.68
γ 1.0	385.10	383.94	385.08	384.42
γ 2.0	384.81	383.80	385.16	384.38
γ 3.0	384.45	383.06	384.62	384.36
γ 4.0	383.66	382.17	384.04	383.71
γ 5.0	382.80	381.20	383.25	383.36
γ 6.0	382.29	380.21	382.37	382.58
γ 7.0	380.68	378.72	381.11	381.48
γ 8.0	379.48	377.16	379.64	380.50
γ 9.0	378.08	375.66	378.07	379.54
γ 10.0	376.75	373.95	376.71	378.05
γ 11.0	374.55	372.21	375.02	376.64
γ 12.0	372.96	370.04	372.98	374.94
γ 13.0	370.71	367.81	370.67	372.83
γ 14.0	368.56	365.23	368.67	371.02
γ 15.0	366.02	362.73	366.13	368.54
γ 16.0	363.13	359.87	363.38	365.89
γ 17.0	360.64	356.68	360.72	363.47
γ 18.0	357.29	353.55	357.61	361.05
γ 19.0	354.15	349.93	354.58	357.98
γ 20.0	351.02	346.53	350.99	354.67
γ 21.0	347.52	342.98	347.53	351.26
γ 22.0	343.94	339.23	343.77	347.52
γ 23.0	340.25	334.98	340.11	344.17
γ 24.0	336.11	330.86	336.00	340.26
γ 25.0	331.65	326.12	331.99	336.24
γ 26.0	327.45	321.59	327.55	332.23
γ 27.0	322.80	316.92	322.71	328.17
γ 28.0	318.13	312.33	318.17	323.40
γ 29.0	313.31	307.08	313.34	318.91
γ 30.0	308.26	301.62	308.22	314.05
γ 31.0	303.36	296.24	303.22	309.21
γ 32.0	297.93	290.63	297.88	303.90
γ 33.0	292.38	284.98	292.34	298.48
γ 34.0	286.73	278.82	286.94	293.36
γ 35.0	280.78	272.49	280.94	288.06
γ 36.0	274.75	266.30	274.89	282.19
γ 37.0	268.70	259.95	268.86	275.95
γ 38.0	262.46	252.78	262.54	270.08
γ 39.0	255.93	245.39	256.13	264.27
γ 40.0	248.77	238.04	249.28	257.35
γ 41.0	241.21	229.80	242.04	250.59
γ 42.0	233.48	221.18	234.24	243.26
γ 43.0	225.20	212.34	225.94	235.57
γ 44.0	216.64	203.04	217.31	227.68
γ 45.0	207.84	193.54	208.31	219.31
γ 46.0	198.38	183.58	199.00	210.60

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	188.61	173.28	189.14	201.48
γ 48.0	178.39	162.32	179.16	191.79
γ 49.0	167.91	151.33	168.49	181.98
γ 50.0	157.16	140.17	157.61	171.88
γ 51.0	145.94	128.79	146.44	161.35
γ 52.0	134.62	117.50	135.19	150.48
γ 53.0	123.13	106.30	123.80	139.50
γ 54.0	111.74	95.32	112.40	128.19
γ 55.0	100.44	84.83	101.20	116.88
γ 56.0	89.58	75.11	90.45	105.81
γ 57.0	79.38	66.20	80.18	94.77
γ 58.0	69.88	58.01	70.65	84.29
γ 59.0	61.29	50.73	61.95	74.43
γ 60.0	53.61	44.47	54.09	65.32
γ 61.0	46.99	39.14	47.35	57.13
γ 62.0	41.42	34.64	41.58	49.93
γ 63.0	36.83	30.83	36.76	43.84
γ 64.0	32.95	27.56	32.60	38.64
γ 65.0	29.63	24.89	28.98	34.27
γ 66.0	26.91	22.89	25.89	30.56
γ 67.0	24.76	21.46	23.37	27.45
γ 68.0	23.24	20.23	21.61	25.00
γ 69.0	21.88	19.03	20.35	23.22
γ 70.0	20.61	17.84	19.14	21.84
γ 71.0	19.36	16.74	17.97	20.56
γ 72.0	18.17	15.68	16.88	19.33
γ 73.0	17.06	14.67	15.79	18.13
γ 74.0	15.96	13.70	14.77	17.00
γ 75.0	14.96	12.80	13.81	15.94
γ 76.0	14.00	11.93	12.91	14.94
γ 77.0	13.09	11.08	12.05	13.97
γ 78.0	12.21	10.31	11.24	13.06
γ 79.0	11.38	9.55	10.47	12.20
γ 80.0	10.60	8.85	9.75	11.40
γ 81.0	9.85	8.18	9.06	10.65
γ 82.0	9.15	7.56	8.43	9.93
γ 83.0	8.48	6.97	7.82	9.24
γ 84.0	7.84	6.40	7.26	8.63
γ 85.0	7.24	5.88	6.72	8.02
γ 86.0	6.69	5.40	6.20	7.46
γ 87.0	6.17	4.97	5.74	6.92
γ 88.0	5.69	4.56	5.30	6.41
γ 89.0	5.24	4.37	4.91	5.94
γ 90.0	5.03	4.30	4.58	5.51
γ 91.0	4.94	4.23	4.51	5.15
γ 92.0	4.84	4.17	4.44	5.06
γ 93.0	4.75	4.10	4.38	4.99

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.67	4.04	4.34	4.90
γ 95.0	4.59	4.00	4.27	4.82
γ 96.0	4.52	3.95	4.22	4.76
γ 97.0	4.46	3.91	4.18	4.69
γ 98.0	4.39	3.88	4.14	4.62
γ 99.0	4.35	3.86	4.10	4.57
γ 100.0	4.30	3.82	4.06	4.50
γ 101.0	4.26	3.80	4.03	4.47
γ 102.0	4.22	3.78	4.00	4.41
γ 103.0	4.18	3.77	3.99	4.38
γ 104.0	4.14	3.74	3.96	4.34
γ 105.0	4.13	3.75	3.93	4.30
γ 106.0	4.10	3.72	3.92	4.27
γ 107.0	4.08	3.73	3.91	4.24
γ 108.0	4.07	3.73	3.90	4.22
γ 109.0	4.06	3.72	3.89	4.20
γ 110.0	4.04	3.73	3.90	4.19
γ 111.0	4.04	3.73	3.90	4.18
γ 112.0	4.03	3.75	3.90	4.17
γ 113.0	4.03	3.76	3.90	4.17
γ 114.0	4.04	3.77	3.92	4.17
γ 115.0	4.04	3.79	3.93	4.17
γ 116.0	4.05	3.82	3.95	4.17
γ 117.0	4.06	3.83	3.96	4.17
γ 118.0	4.08	3.85	3.98	4.18
γ 119.0	4.09	3.88	4.00	4.19
γ 120.0	4.11	3.90	4.01	4.20
γ 121.0	4.13	3.93	4.03	4.21
γ 122.0	4.14	3.95	4.06	4.23
γ 123.0	4.17	3.98	4.10	4.26
γ 124.0	4.19	4.01	4.12	4.27
γ 125.0	4.22	4.04	4.14	4.29
γ 126.0	4.24	4.08	4.18	4.31
γ 127.0	4.27	4.11	4.20	4.34
γ 128.0	4.31	4.15	4.24	4.37
γ 129.0	4.32	4.18	4.27	4.39
γ 130.0	4.35	4.22	4.30	4.42
γ 131.0	4.39	4.25	4.34	4.45
γ 132.0	4.41	4.29	4.37	4.48
γ 133.0	4.45	4.33	4.40	4.51
γ 134.0	4.48	4.37	4.44	4.54
γ 135.0	4.50	4.41	4.46	4.56
γ 136.0	4.53	4.44	4.51	4.61
γ 137.0	4.57	4.49	4.54	4.64
γ 138.0	4.60	4.52	4.58	4.67
γ 139.0	4.63	4.57	4.61	4.70
γ 140.0	4.67	4.61	4.66	4.73

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.70	4.66	4.69	4.77
γ 142.0	4.74	4.69	4.73	4.80
γ 143.0	4.77	4.73	4.76	4.83
γ 144.0	4.81	4.78	4.80	4.88
γ 145.0	4.86	4.83	4.84	4.91
γ 146.0	4.89	4.86	4.88	4.95
γ 147.0	4.93	4.92	4.93	4.99
γ 148.0	4.99	4.97	4.97	5.03
γ 149.0	5.03	5.01	5.02	5.07
γ 150.0	5.08	5.05	5.06	5.11
γ 151.0	5.12	5.09	5.11	5.15
γ 152.0	5.17	5.15	5.15	5.20
γ 153.0	5.21	5.20	5.20	5.24
γ 154.0	5.26	5.26	5.24	5.29
γ 155.0	5.30	5.30	5.29	5.34
γ 156.0	5.35	5.35	5.34	5.38
γ 157.0	5.40	5.40	5.40	5.43
γ 158.0	5.45	5.44	5.44	5.47
γ 159.0	5.50	5.50	5.49	5.52
γ 160.0	5.54	5.54	5.53	5.57
γ 161.0	5.59	5.60	5.59	5.62
γ 162.0	5.64	5.64	5.64	5.66
γ 163.0	5.68	5.69	5.67	5.70
γ 164.0	5.73	5.73	5.72	5.74
γ 165.0	5.78	5.76	5.76	5.79
γ 166.0	5.82	5.82	5.81	5.83
γ 167.0	5.93	5.85	5.85	5.87
γ 168.0	5.98	5.88	5.95	5.90
γ 169.0	5.92	5.92	6.02	5.94
γ 170.0	5.97	5.95	5.98	5.97
γ 171.0	5.98	5.97	5.98	6.00
γ 172.0	6.00	6.01	6.00	6.02
γ 173.0	6.02	6.03	6.03	6.05
γ 174.0	6.05	6.05	6.05	6.07
γ 175.0	6.06	6.07	6.06	6.09
γ 176.0	6.08	6.08	6.07	6.11
γ 177.0	6.09	6.09	6.10	6.14
γ 178.0	6.10	6.11	6.11	6.14
γ 179.0	6.12	6.11	6.11	6.15
γ 180.0	6.12	6.12	6.12	6.12