

Indoor Luminaire Photometric Data

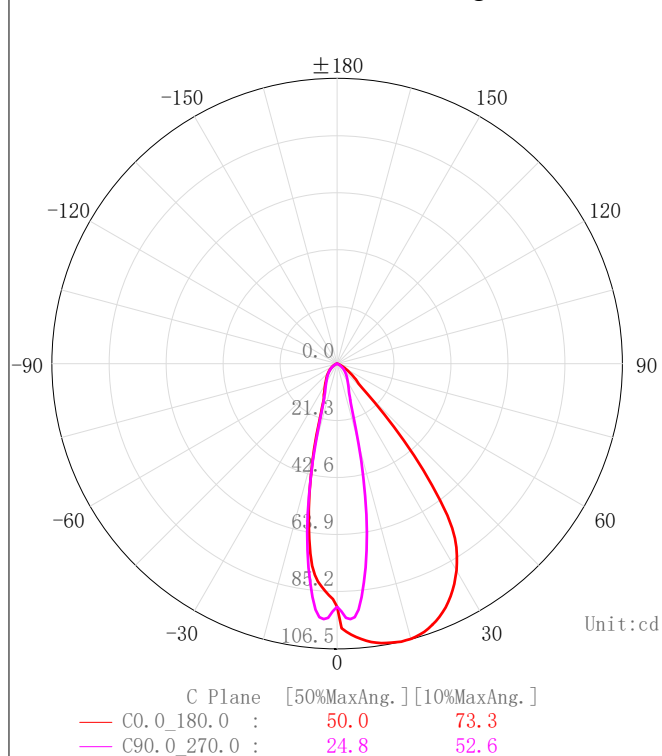
Description Information

Luminary Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2021/02/25
Manufacture: Havit Commercial	Shld. Ang(°):	Test Machine: GON-2000
Test Lab: Quality Department	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.050m*0.000m*0.000m	Lum. Area (m2): 0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25
		Humidity (%):

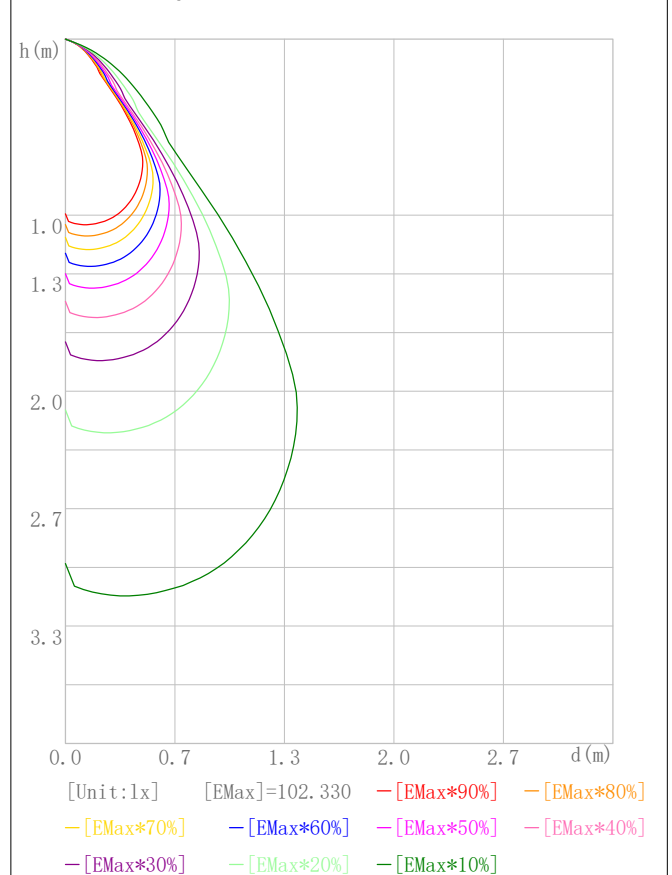
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 49.740	Luminary Flux(lm): 49.741	Field Angle(10%Imax): 73.3(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 49.741lm 100.00%
Rated Voltage(V):	Luminary EER(lm/W): 18.114	Up Lumens&Percent: 0.000lm 0.00%
Tested Power(W): 2.746	Max. Candela(cd): 106.497	S/MH: C0_a180=0.886 C90_270=0.435
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=13.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.1, 0.013	Beam Angle(50%Imax): 50.0(°)	ErP Φ use(90°): 44.749lm
Lamp Size (W*L*H): 0.050m*0.000m*0.000m	Left=-11.4°, Right=38.7°	IRF (%): 329.118

C Plane Distribution Diagram



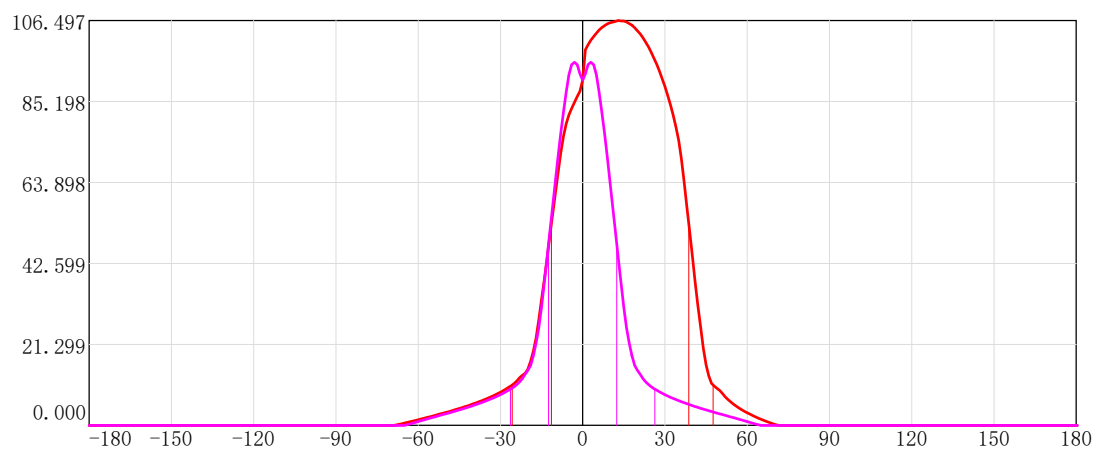
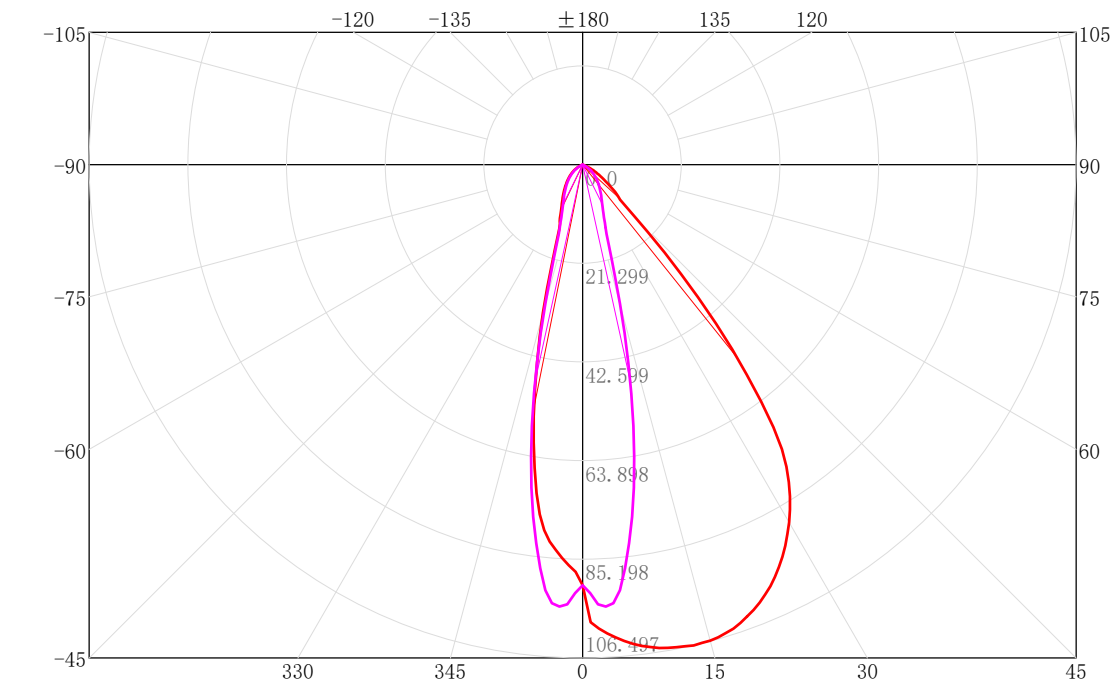
C0 Space ISO Illuminance Curve



2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2021/02/25

C Plane Distribution Diagram



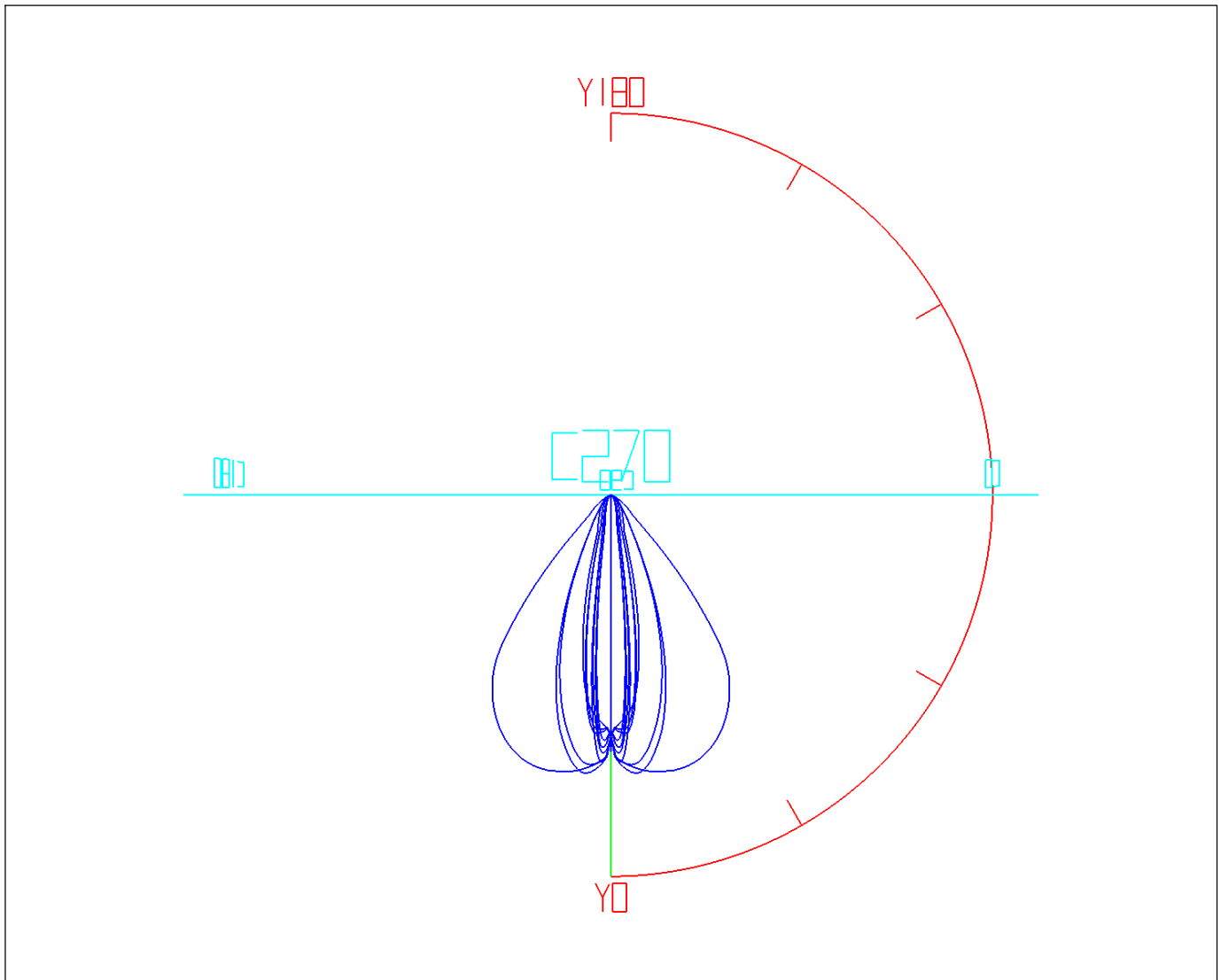
C Plane [50%MaxAng.] [10%MaxAng.]
— C0.0_180.0 : 50.0 73.3
— C90.0_270.0 : 24.8 52.6

Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

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	0.09	0.09	0.18	0.18	47.0-48.0	0.38	45.96	0.77	92.41
1.0-2.0	0.27	0.36	0.54	0.72	48.0-49.0	0.36	46.33	0.73	93.14
2.0-3.0	0.45	0.81	0.91	1.63	49.0-50.0	0.35	46.67	0.70	93.84
3.0-4.0	0.64	1.45	1.28	2.91	50.0-51.0	0.33	47.00	0.66	94.50
4.0-5.0	0.82	2.27	1.64	4.56	51.0-52.0	0.31	47.31	0.62	95.12
5.0-6.0	0.98	3.25	1.97	6.53	52.0-53.0	0.29	47.61	0.59	95.71
6.0-7.0	1.12	4.37	2.25	8.78	53.0-54.0	0.27	47.88	0.55	96.26
7.0-8.0	1.24	5.61	2.49	11.27	54.0-55.0	0.25	48.13	0.51	96.77
8.0-9.0	1.33	6.94	2.68	13.96	55.0-56.0	0.24	48.37	0.47	97.24
9.0-10.0	1.41	8.35	2.83	16.78	56.0-57.0	0.22	48.59	0.44	97.68
10.0-11.0	1.45	9.80	2.92	19.70	57.0-58.0	0.20	48.78	0.40	98.08
11.0-12.0	1.48	11.28	2.97	22.67	58.0-59.0	0.18	48.96	0.36	98.44
12.0-13.0	1.48	12.76	2.98	25.65	59.0-60.0	0.16	49.12	0.32	98.76
13.0-14.0	1.47	14.23	2.95	28.60	60.0-61.0	0.14	49.26	0.28	99.04
14.0-15.0	1.44	15.66	2.89	31.49	61.0-62.0	0.12	49.39	0.25	99.29
15.0-16.0	1.40	17.06	2.81	34.30	62.0-63.0	0.10	49.49	0.21	99.50
16.0-17.0	1.34	18.40	2.70	37.00	63.0-64.0	0.08	49.57	0.17	99.67
17.0-18.0	1.29	19.70	2.60	39.60	64.0-65.0	0.06	49.64	0.13	99.79
18.0-19.0	1.25	20.95	2.51	42.11	65.0-66.0	0.05	49.68	0.09	99.88
19.0-20.0	1.22	22.16	2.45	44.56	66.0-67.0	0.03	49.71	0.06	99.94
20.0-21.0	1.19	23.36	2.40	46.96	67.0-68.0	0.02	49.73	0.03	99.98
21.0-22.0	1.18	24.54	2.37	49.33	68.0-69.0	0.01	49.74	0.01	99.99
22.0-23.0	1.17	25.70	2.34	51.68	69.0-70.0	0.00	49.74	0.01	100.00
23.0-24.0	1.15	26.85	2.31	53.99	70.0-71.0	0.00	49.74	0.00	100.00
24.0-25.0	1.13	27.99	2.28	56.27	71.0-72.0	0.00	49.74	0.00	100.00
25.0-26.0	1.12	29.10	2.24	58.51	72.0-73.0	0.00	49.74	0.00	100.00
26.0-27.0	1.09	30.20	2.20	60.71	73.0-74.0	0.00	49.74	0.00	100.00
27.0-28.0	1.07	31.27	2.15	62.86	74.0-75.0	0.00	49.74	0.00	100.00
28.0-29.0	1.04	32.31	2.10	64.96	75.0-76.0	0.00	49.74	0.00	100.00
29.0-30.0	1.02	33.33	2.05	67.01	76.0-77.0	0.00	49.74	0.00	100.00
30.0-31.0	1.00	34.32	2.00	69.01	77.0-78.0	0.00	49.74	0.00	100.00
31.0-32.0	0.97	35.30	1.95	70.96	78.0-79.0	0.00	49.74	0.00	100.00
32.0-33.0	0.95	36.24	1.90	72.86	79.0-80.0	0.00	49.74	0.00	100.00
33.0-34.0	0.92	37.16	1.85	74.71	80.0-81.0	0.00	49.74	0.00	100.00
34.0-35.0	0.89	38.05	1.79	76.51	81.0-82.0	0.00	49.74	0.00	100.00
35.0-36.0	0.86	38.92	1.74	78.24	82.0-83.0	0.00	49.74	0.00	100.00
36.0-37.0	0.83	39.75	1.66	79.91	83.0-84.0	0.00	49.74	0.00	100.00
37.0-38.0	0.79	40.53	1.58	81.49	84.0-85.0	0.00	49.74	0.00	100.00
38.0-39.0	0.74	41.28	1.49	82.98	85.0-86.0	0.00	49.74	0.00	100.00
39.0-40.0	0.70	41.97	1.40	84.38	86.0-87.0	0.00	49.74	0.00	100.00
40.0-41.0	0.65	42.62	1.30	85.69	87.0-88.0	0.00	49.74	0.00	100.00
41.0-42.0	0.60	43.22	1.21	86.90	88.0-89.0	0.00	49.74	0.00	100.00
42.0-43.0	0.55	43.78	1.11	88.01	89.0-90.0	0.00	49.74	0.00	100.00
43.0-44.0	0.51	44.28	1.02	89.03	90.0-91.0	0.00	49.74	0.00	100.00
44.0-45.0	0.46	44.75	0.93	89.97	91.0-92.0	0.00	49.74	0.00	100.00
45.0-46.0	0.43	45.18	0.86	90.83	92.0-93.0	0.00	49.74	0.00	100.00
46.0-47.0	0.40	45.58	0.81	91.64	93.0-94.0	0.00	49.74	0.00	100.00

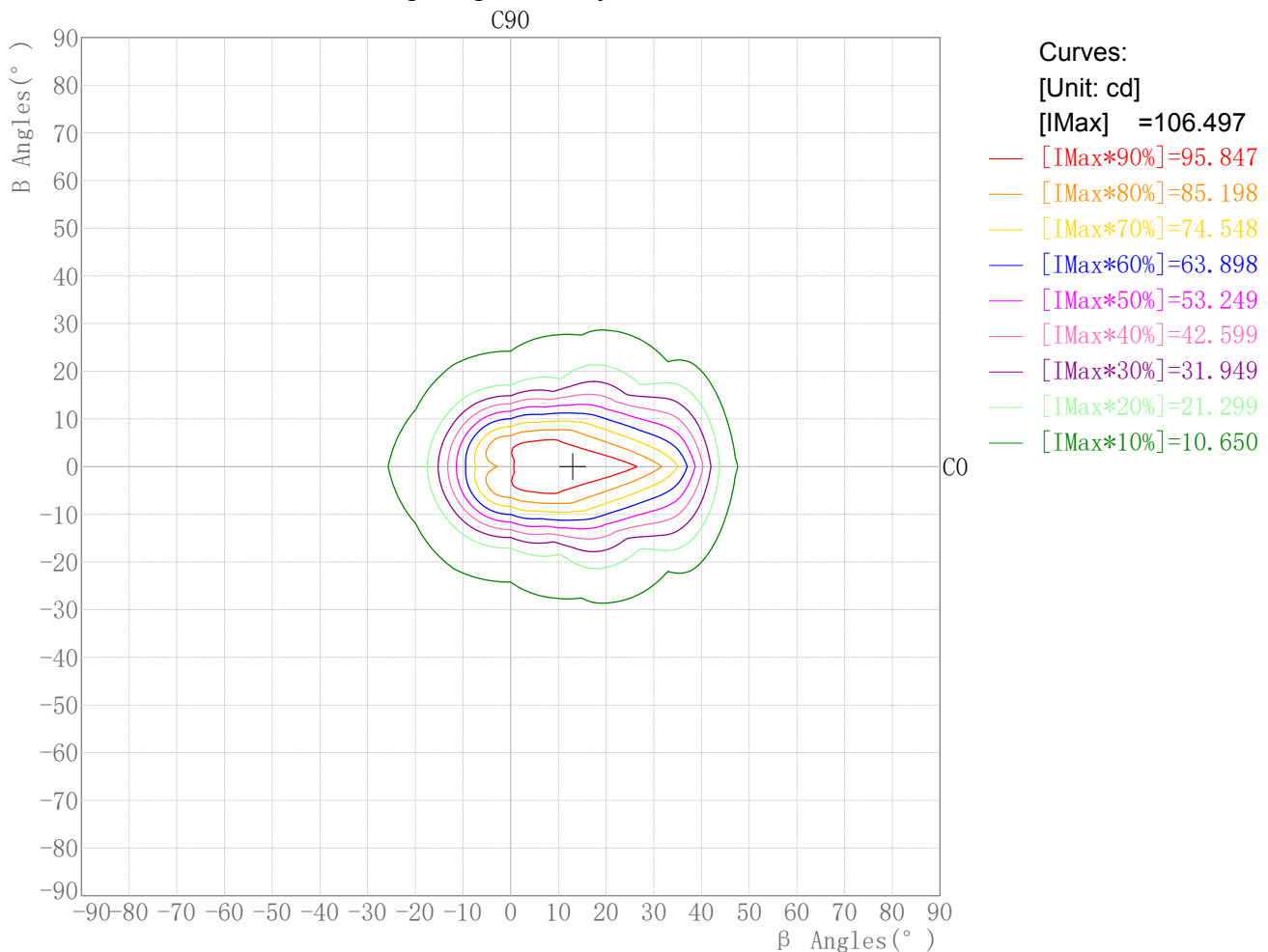
Zonal Flux Tabulation - (Cont.)

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	0.00	49.74	0.00	100.00	141.0-142.0	0.00	49.74	0.00	100.00
95.0-96.0	0.00	49.74	0.00	100.00	142.0-143.0	0.00	49.74	0.00	100.00
96.0-97.0	0.00	49.74	0.00	100.00	143.0-144.0	0.00	49.74	0.00	100.00
97.0-98.0	0.00	49.74	0.00	100.00	144.0-145.0	0.00	49.74	0.00	100.00
98.0-99.0	0.00	49.74	0.00	100.00	145.0-146.0	0.00	49.74	0.00	100.00
99.0-100.0	0.00	49.74	0.00	100.00	146.0-147.0	0.00	49.74	0.00	100.00
100.0-101.0	0.00	49.74	0.00	100.00	147.0-148.0	0.00	49.74	0.00	100.00
101.0-102.0	0.00	49.74	0.00	100.00	148.0-149.0	0.00	49.74	0.00	100.00
102.0-103.0	0.00	49.74	0.00	100.00	149.0-150.0	0.00	49.74	0.00	100.00
103.0-104.0	0.00	49.74	0.00	100.00	150.0-151.0	0.00	49.74	0.00	100.00
104.0-105.0	0.00	49.74	0.00	100.00	151.0-152.0	0.00	49.74	0.00	100.00
105.0-106.0	0.00	49.74	0.00	100.00	152.0-153.0	0.00	49.74	0.00	100.00
106.0-107.0	0.00	49.74	0.00	100.00	153.0-154.0	0.00	49.74	0.00	100.00
107.0-108.0	0.00	49.74	0.00	100.00	154.0-155.0	0.00	49.74	0.00	100.00
108.0-109.0	0.00	49.74	0.00	100.00	155.0-156.0	0.00	49.74	0.00	100.00
109.0-110.0	0.00	49.74	0.00	100.00	156.0-157.0	0.00	49.74	0.00	100.00
110.0-111.0	0.00	49.74	0.00	100.00	157.0-158.0	0.00	49.74	0.00	100.00
111.0-112.0	0.00	49.74	0.00	100.00	158.0-159.0	0.00	49.74	0.00	100.00
112.0-113.0	0.00	49.74	0.00	100.00	159.0-160.0	0.00	49.74	0.00	100.00
113.0-114.0	0.00	49.74	0.00	100.00	160.0-161.0	0.00	49.74	0.00	100.00
114.0-115.0	0.00	49.74	0.00	100.00	161.0-162.0	0.00	49.74	0.00	100.00
115.0-116.0	0.00	49.74	0.00	100.00	162.0-163.0	0.00	49.74	0.00	100.00
116.0-117.0	0.00	49.74	0.00	100.00	163.0-164.0	0.00	49.74	0.00	100.00
117.0-118.0	0.00	49.74	0.00	100.00	164.0-165.0	0.00	49.74	0.00	100.00
118.0-119.0	0.00	49.74	0.00	100.00	165.0-166.0	0.00	49.74	0.00	100.00
119.0-120.0	0.00	49.74	0.00	100.00	166.0-167.0	0.00	49.74	0.00	100.00
120.0-121.0	0.00	49.74	0.00	100.00	167.0-168.0	0.00	49.74	0.00	100.00
121.0-122.0	0.00	49.74	0.00	100.00	168.0-169.0	0.00	49.74	0.00	100.00
122.0-123.0	0.00	49.74	0.00	100.00	169.0-170.0	0.00	49.74	0.00	100.00
123.0-124.0	0.00	49.74	0.00	100.00	170.0-171.0	0.00	49.74	0.00	100.00
124.0-125.0	0.00	49.74	0.00	100.00	171.0-172.0	0.00	49.74	0.00	100.00
125.0-126.0	0.00	49.74	0.00	100.00	172.0-173.0	0.00	49.74	0.00	100.00
126.0-127.0	0.00	49.74	0.00	100.00	173.0-174.0	0.00	49.74	0.00	100.00
127.0-128.0	0.00	49.74	0.00	100.00	174.0-175.0	0.00	49.74	0.00	100.00
128.0-129.0	0.00	49.74	0.00	100.00	175.0-176.0	0.00	49.74	0.00	100.00
129.0-130.0	0.00	49.74	0.00	100.00	176.0-177.0	0.00	49.74	0.00	100.00
130.0-131.0	0.00	49.74	0.00	100.00	177.0-178.0	0.00	49.74	0.00	100.00
131.0-132.0	0.00	49.74	0.00	100.00	178.0-179.0	0.00	49.74	0.00	100.00
132.0-133.0	0.00	49.74	0.00	100.00	179.0-180.0	0.00	49.74	0.00	100.00
133.0-134.0	0.00	49.74	0.00	100.00					
134.0-135.0	0.00	49.74	0.00	100.00					
135.0-136.0	0.00	49.74	0.00	100.00					
136.0-137.0	0.00	49.74	0.00	100.00					
137.0-138.0	0.00	49.74	0.00	100.00					
138.0-139.0	0.00	49.74	0.00	100.00					
139.0-140.0	0.00	49.74	0.00	100.00					
140.0-141.0	0.00	49.74	0.00	100.00					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

ISO Lighting Intensity Curve



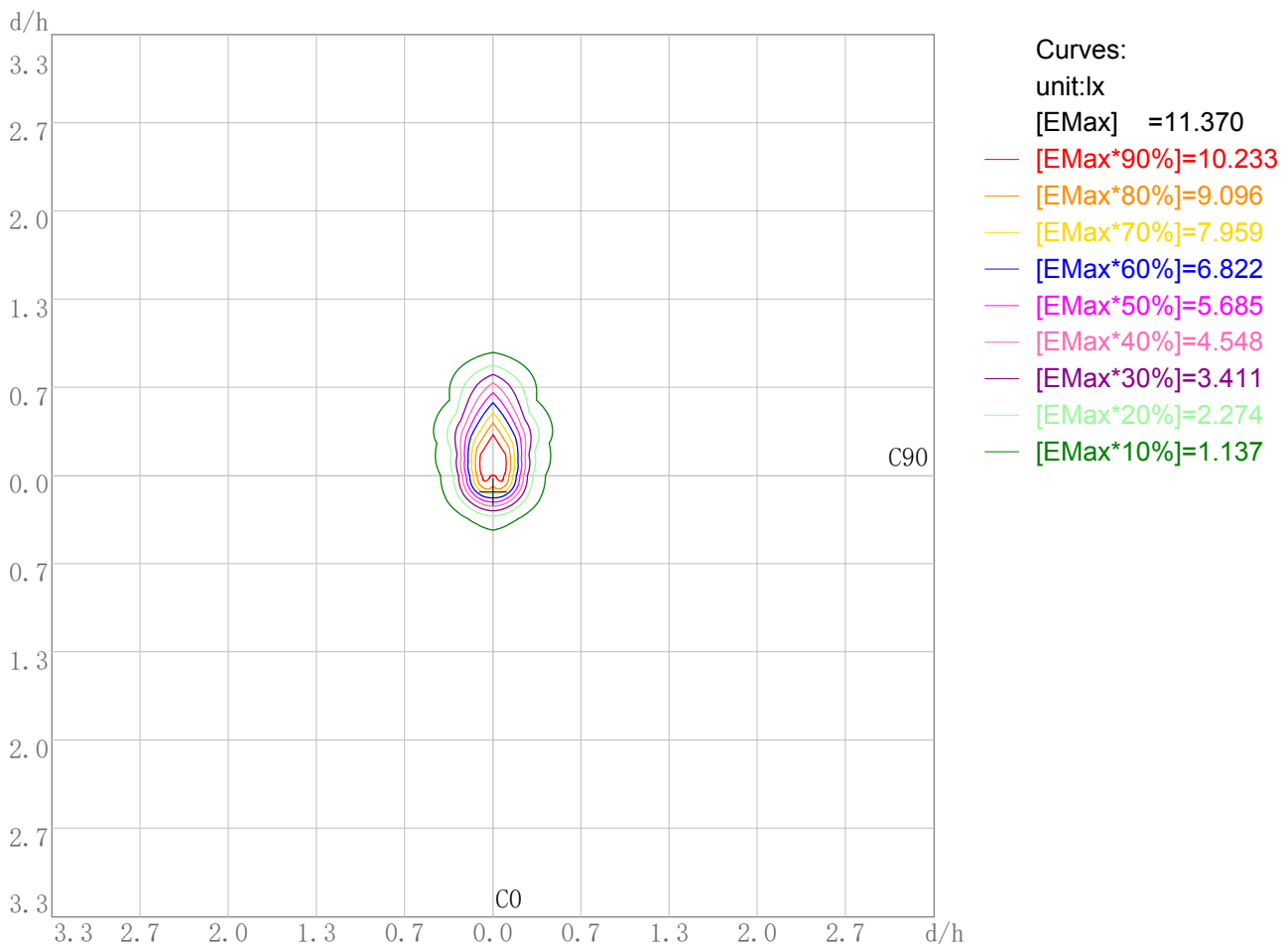
Maximum Light Intensity(cd): 106.50

Maximum Cand.@Angle: H=13.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

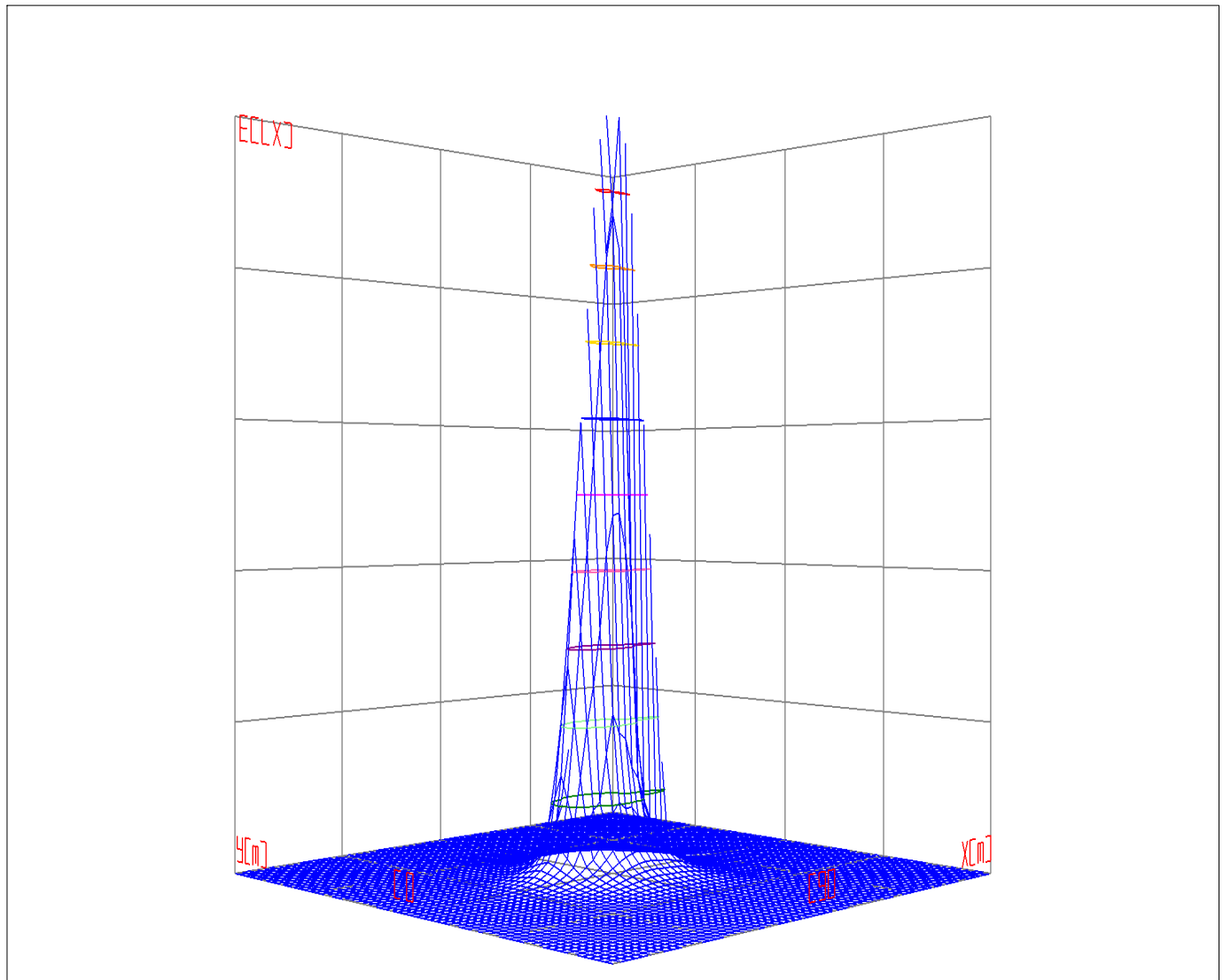
Working Plane Maximum Illuminance(lx): 11.37

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

3D Plane ISO Illuminance Diagram

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

3D Plane Illuminance Model

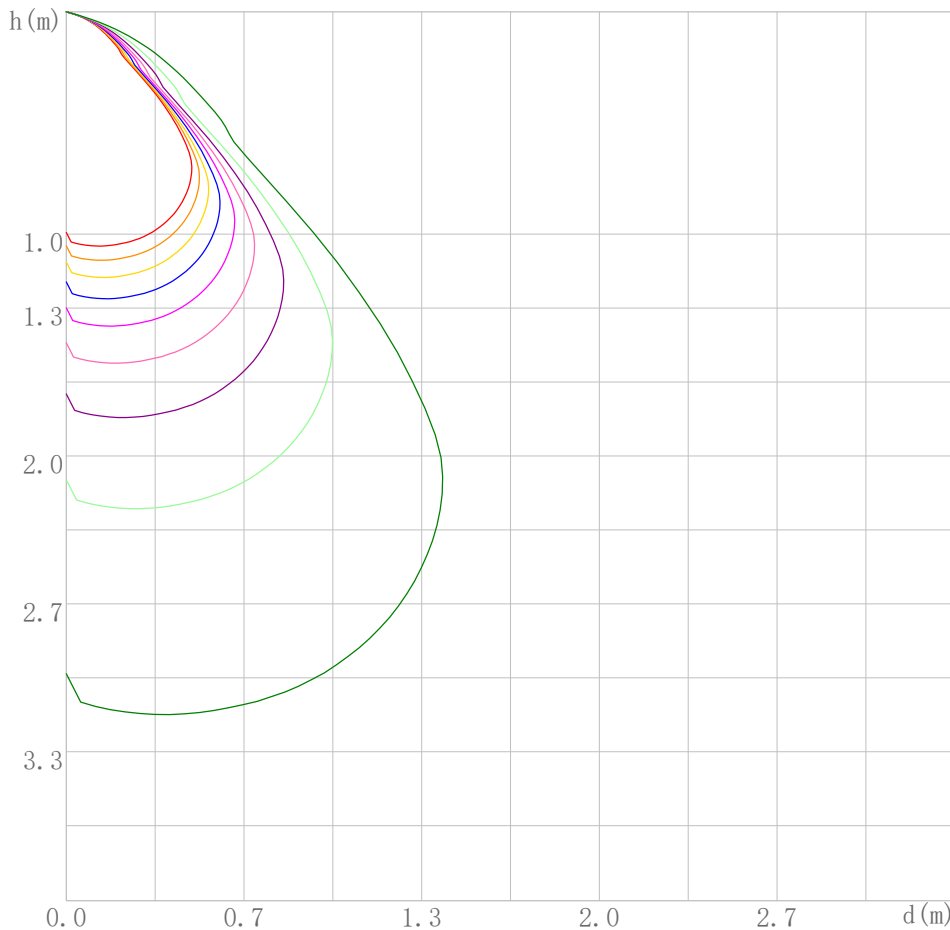


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[E_{Max}] = 102.330

— [E_{Max}*90%]=92.097

— [E_{Max}*80%]=81.864

— [E_{Max}*70%]=71.631

— [E_{Max}*60%]=61.398

— [E_{Max}*50%]=51.165

— [E_{Max}*40%]=40.932

— [E_{Max}*30%]=30.699

— [E_{Max}*20%]=20.466

— [E_{Max}*10%]=10.233

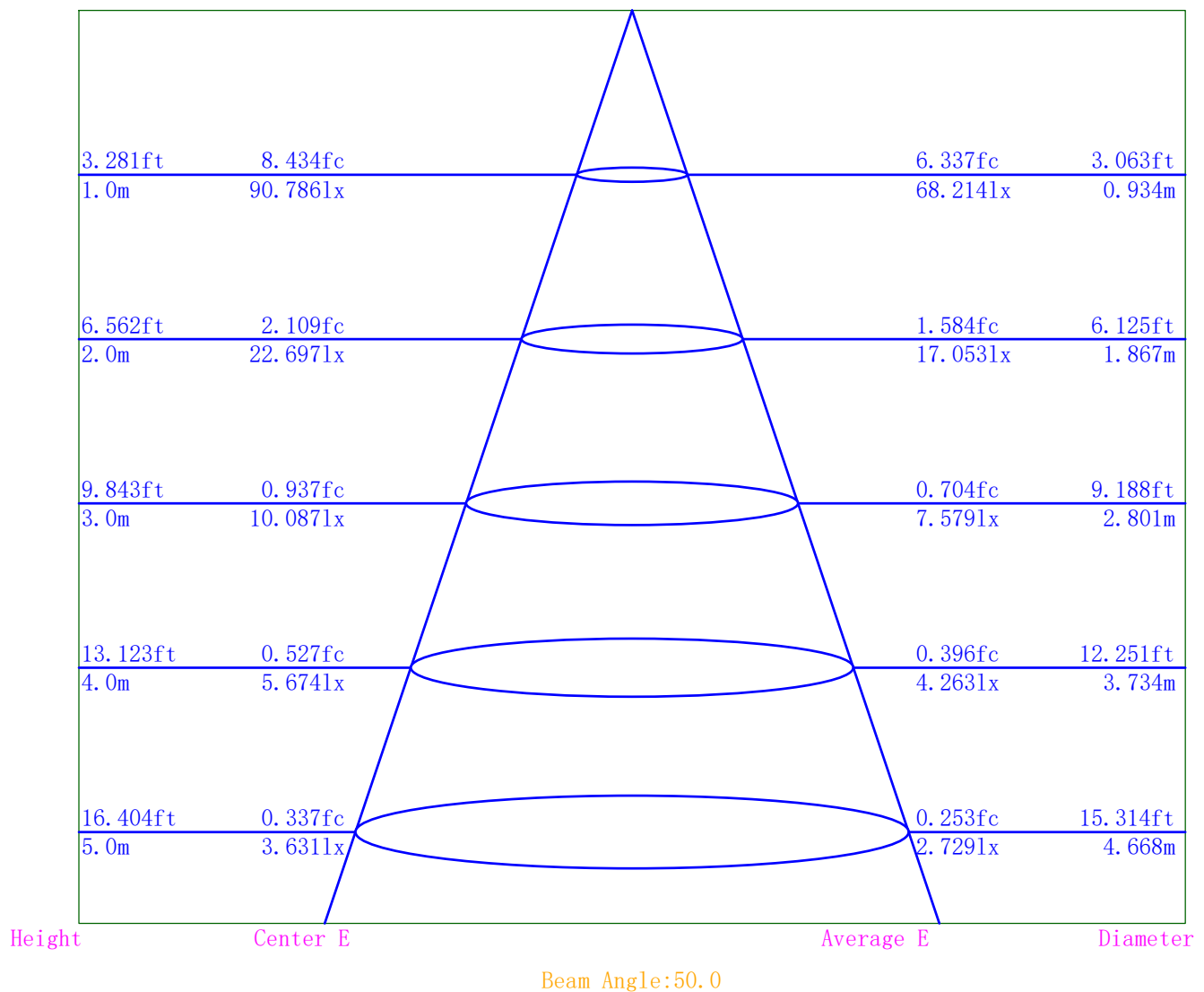
Space Plane Maximum Illuminance and @Angle:102.33lx,7.0deg

Plane Maximum Lighting Intensity and @Angle:106.497cd,0deg

Illuminance-Distance Diagram

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

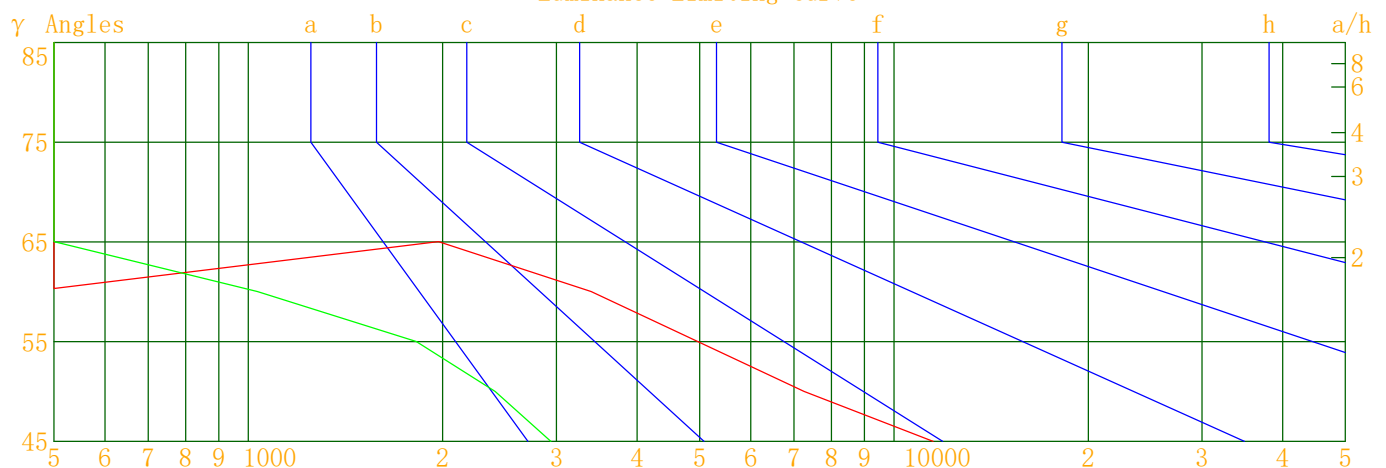
Glare Grade Table

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	11500	7258	4965	3397	1970	459	0	0	0
C90	2942	2412	1819	1033	0	0	0	0	0

Luminance Limiting Curve



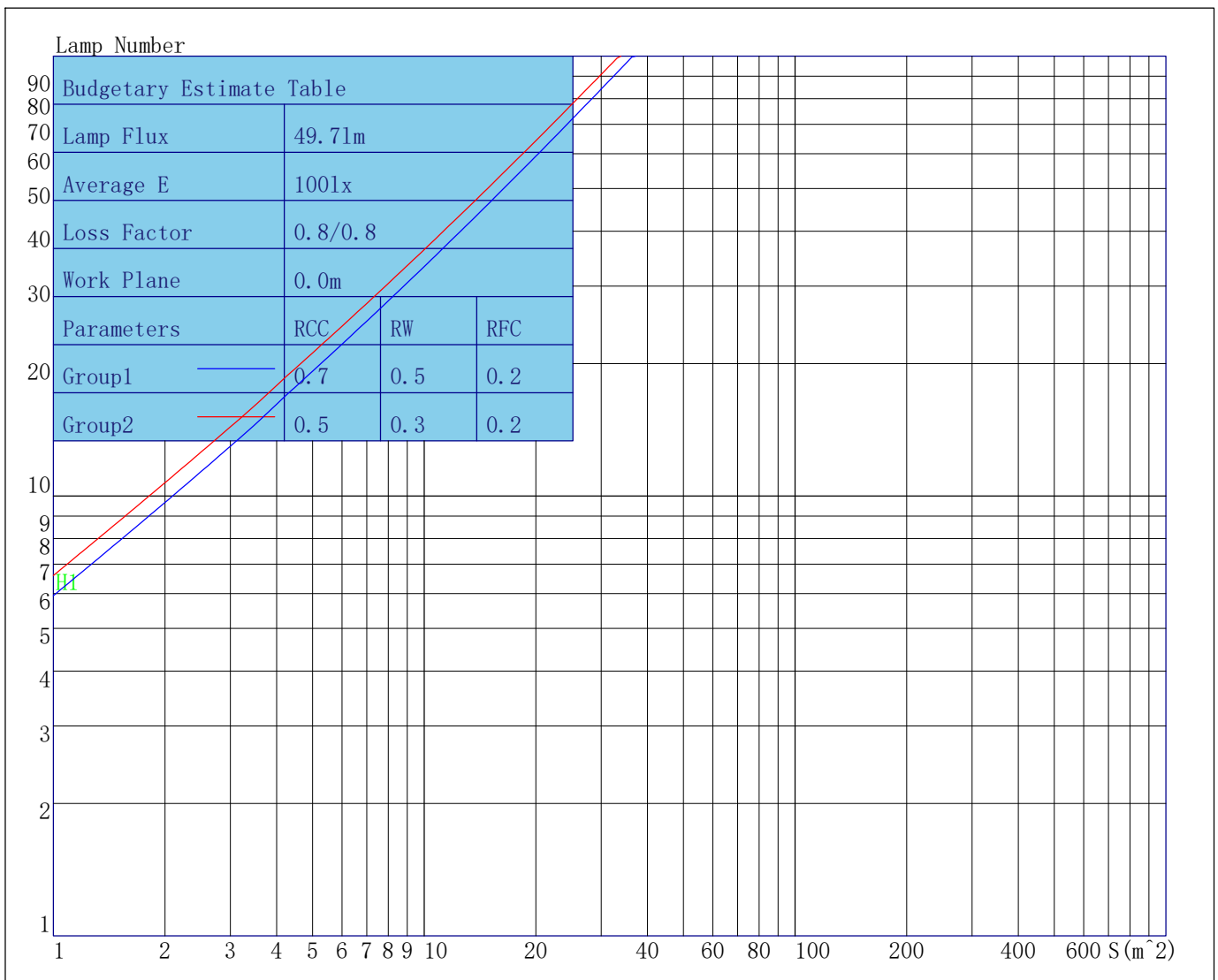
Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963

Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
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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: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	96	91	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

Unified Glare Rating Table

Lum. Name: HCP-22X2352+HCP-22X4352 5000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2021/02/25

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	19.2	20.3	19.6	20.6	21.0	11.6	12.7	12.0	13.0	13.3
	19.1	20.1	19.5	20.4	20.8	11.4	12.4	11.8	12.7	13.1
	19.0	19.9	19.4	20.2	20.6	11.3	12.2	11.8	12.6	13.0
	18.9	19.7	19.3	20.1	20.5	11.2	12.1	11.7	12.4	12.8
	18.9	19.6	19.3	20.0	20.4	11.2	12.0	11.6	12.3	12.8
	18.8	19.5	19.2	19.9	20.3	11.1	11.9	11.6	12.2	12.7
X=4H Y=2H	19.0	19.9	19.4	20.2	20.6	11.6	12.5	12.1	12.9	13.3
	18.9	19.6	19.3	20.0	20.4	11.5	12.2	11.9	12.6	13.0
	18.8	19.4	19.2	19.8	20.3	11.4	12.0	11.8	12.4	12.9
	18.6	19.2	19.1	19.6	20.1	11.3	11.8	11.7	12.2	12.7
	18.6	19.1	19.1	19.5	20.0	11.2	11.7	11.7	12.1	12.6
	18.5	19.0	19.0	19.4	19.9	11.1	11.6	11.6	12.1	12.5
X=8H Y=4H	18.6	19.1	19.1	19.5	20.0	11.2	11.7	11.7	12.1	12.6
	18.5	18.9	19.0	19.4	19.9	11.1	11.5	11.6	12.0	12.5
	18.4	18.7	18.9	19.3	19.8	11.0	11.4	11.5	11.9	12.4
	18.3	18.6	18.9	19.1	19.7	10.9	11.3	11.5	11.8	12.3
X=12H Y=4H	18.5	19.0	19.0	19.4	19.9	11.1	11.6	11.6	12.1	12.5
	18.4	18.8	18.9	19.2	19.8	11.0	11.4	11.5	11.8	12.4
	18.3	18.6	18.9	19.1	19.7	10.9	11.3	11.5	11.8	12.3
Variations with the observer position at spacings										
S=1.0H	0.0/0.0					0.0/0.0				
S=1.5H	0.0/0.0					0.0/0.0				
S=2.0H	8.2/0.0					9.6/0.0				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.0					0.2				

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

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
γ 0.0	90.79	90.79	90.79	90.79	90.79	90.79	90.79
γ 1.0	98.79	98.48	94.43	92.48	90.38	87.82	87.88
γ 2.0	100.15	100.32	97.20	94.93	92.80	88.67	86.50
γ 3.0	101.32	101.76	98.69	95.52	93.88	89.01	84.99
γ 4.0	102.30	102.83	99.19	94.89	93.70	89.16	83.33
γ 5.0	103.18	103.49	97.98	92.20	92.17	88.32	81.65
γ 6.0	104.00	103.60	95.49	87.58	88.41	85.36	79.32
γ 7.0	104.65	103.31	91.73	82.32	83.07	81.22	76.04
γ 8.0	105.14	102.08	87.64	76.79	77.14	75.60	71.60
γ 9.0	105.60	100.51	83.27	70.58	70.92	69.24	66.31
γ 10.0	105.89	98.61	78.11	64.00	64.29	62.78	60.85
γ 11.0	106.09	96.19	72.73	57.39	57.57	56.33	55.35
γ 12.0	106.28	93.74	67.10	50.52	50.83	49.96	49.54
γ 13.0	106.50	91.14	61.17	43.81	44.35	43.56	43.65
γ 14.0	106.37	88.37	55.07	37.41	38.12	37.46	38.20
γ 15.0	106.36	85.20	49.18	31.06	32.51	31.94	33.07
γ 16.0	106.12	81.75	43.23	25.68	27.32	26.81	27.77
γ 17.0	105.71	78.19	37.29	21.62	22.60	22.09	23.00
γ 18.0	105.28	74.49	32.01	18.33	19.06	18.21	19.51
γ 19.0	104.60	70.70	27.78	15.79	16.38	15.40	16.89
γ 20.0	103.76	66.77	24.28	14.46	14.33	13.18	14.73
γ 21.0	102.94	62.67	21.21	13.44	13.16	11.99	13.66
γ 22.0	101.94	58.42	19.13	12.28	12.37	11.43	13.16
γ 23.0	100.79	54.09	17.78	11.45	11.51	10.72	12.56
γ 24.0	99.58	49.94	16.51	10.77	10.86	9.96	11.72
γ 25.0	98.18	45.82	15.22	10.20	10.31	9.42	11.03
γ 26.0	96.61	41.65	14.19	9.69	9.86	8.96	10.49
γ 27.0	94.97	37.34	13.31	9.24	9.42	8.54	10.00
γ 28.0	93.14	33.17	12.54	8.82	9.02	8.16	9.55
γ 29.0	91.15	29.40	11.84	8.44	8.66	7.80	9.13
γ 30.0	89.14	26.16	11.24	8.08	8.29	7.45	8.73
γ 31.0	86.85	23.27	10.68	7.75	7.96	7.13	8.36
γ 32.0	84.41	20.71	10.18	7.42	7.63	6.83	8.00
γ 33.0	81.70	18.36	9.69	7.12	7.33	6.52	7.68
γ 34.0	78.62	16.29	9.25	6.82	7.04	6.24	7.35
γ 35.0	74.97	14.74	8.83	6.52	6.76	5.97	7.04
γ 36.0	70.06	13.58	8.44	6.25	6.48	5.71	6.74
γ 37.0	64.01	12.57	8.06	5.98	6.22	5.45	6.45
γ 38.0	57.52	11.57	7.69	5.72	5.97	5.20	6.18
γ 39.0	51.25	10.54	7.34	5.48	5.71	4.97	5.91
γ 40.0	44.76	9.68	7.01	5.22	5.47	4.73	5.66
γ 41.0	37.96	8.95	6.68	4.99	5.24	4.51	5.39
γ 42.0	31.77	8.28	6.36	4.75	5.02	4.30	5.14
γ 43.0	25.91	7.68	6.06	4.53	4.80	4.08	4.91
γ 44.0	20.24	7.14	5.76	4.31	4.57	3.89	4.68
γ 45.0	15.97	6.64	5.48	4.08	4.37	3.69	4.46
γ 46.0	13.01	6.17	5.19	3.87	4.17	3.50	4.23

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
γ 47.0	11.07	5.75	4.92	3.65	3.97	3.32	4.02
γ 48.0	10.34	5.34	4.65	3.45	3.77	3.13	3.81
γ 49.0	9.78	4.96	4.40	3.25	3.57	2.94	3.59
γ 50.0	9.16	4.59	4.13	3.04	3.39	2.76	3.39
γ 51.0	8.37	4.23	3.90	2.85	3.21	2.57	3.21
γ 52.0	7.51	3.90	3.66	2.65	3.01	2.40	3.01
γ 53.0	6.81	3.59	3.42	2.44	2.82	2.22	2.82
γ 54.0	6.17	3.29	3.19	2.24	2.63	2.06	2.62
γ 55.0	5.59	3.00	2.96	2.05	2.45	1.89	2.42
γ 56.0	5.08	2.72	2.74	1.84	2.27	1.72	2.24
γ 57.0	4.59	2.44	2.52	1.65	2.08	1.56	2.05
γ 58.0	4.14	2.17	2.30	1.44	1.88	1.39	1.86
γ 59.0	3.72	1.92	2.09	1.23	1.69	1.23	1.68
γ 60.0	3.34	1.66	1.87	1.01	1.50	1.07	1.49
γ 61.0	2.97	1.42	1.65	0.82	1.31	0.91	1.32
γ 62.0	2.61	1.19	1.43	0.61	1.12	0.76	1.13
γ 63.0	2.26	0.98	1.21	0.39	0.92	0.60	0.96
γ 64.0	1.95	0.75	1.00	0.19	0.72	0.44	0.79
γ 65.0	1.63	0.53	0.78	0.00	0.52	0.29	0.62
γ 66.0	1.33	0.33	0.56	0.00	0.32	0.14	0.44
γ 67.0	1.06	0.13	0.35	0.00	0.13	0.00	0.28
γ 68.0	0.80	0.00	0.14	0.00	0.00	0.00	0.12
γ 69.0	0.54	0.00	0.00	0.00	0.00	0.00	0.00
γ 70.0	0.31	0.00	0.00	0.00	0.00	0.00	0.00
γ 71.0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
γ 72.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 73.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 74.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 76.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 77.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 78.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 79.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 81.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 82.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 83.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 84.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 86.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 87.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 88.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 89.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
γ 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
γ 141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00