

Indoor Luminaire Photometric Data

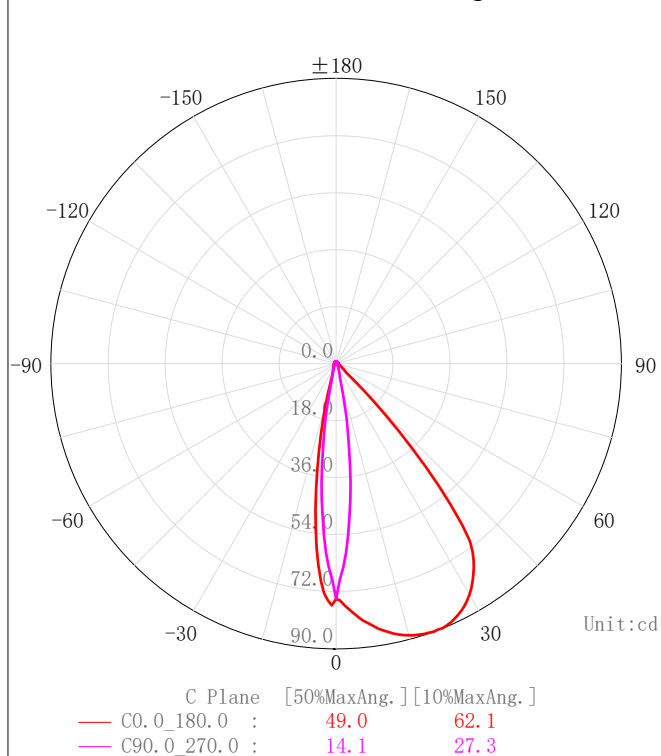
Description Information

Luminary Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/06/16
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*0.050m*0.072m	Lum. Area (m2): 0.006	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity (%): 50.0

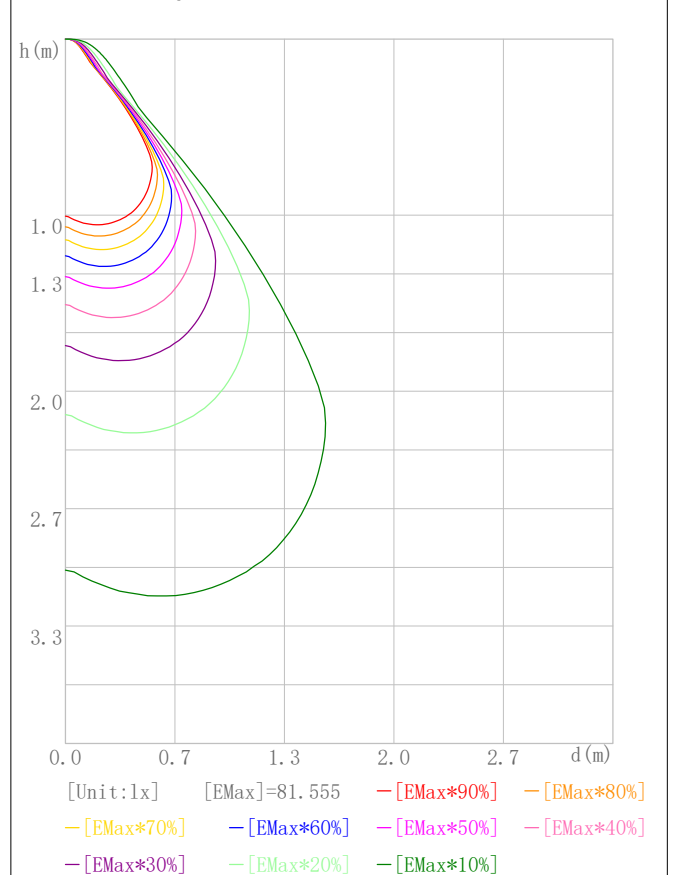
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 46.900	Luminary Flux(lm): 46.900	Field Angle(10%Imax): 62.1(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 43.611lm 92.99%
Rated Voltage(V):	Luminary EER(lm/W): 16.018	Up Lumens&Percent: 3.289lm 7.01%
Tested Power(W): 2.928	Max. Candela(cd): 89.961	S/MH: C0_a180=0.905 C90_270=0.242
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=20.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.2, 0.015, 0.810	Beam Angle(50%Imax): 49.0(°)	ErP Φ use(90°): 39.309lm
Lamp Size (W*L*H): 0.050m*0.050m*0.072m	Left=-8.2°, Right=40.7°	IRF (%): 237.864

C Plane Distribution Diagram



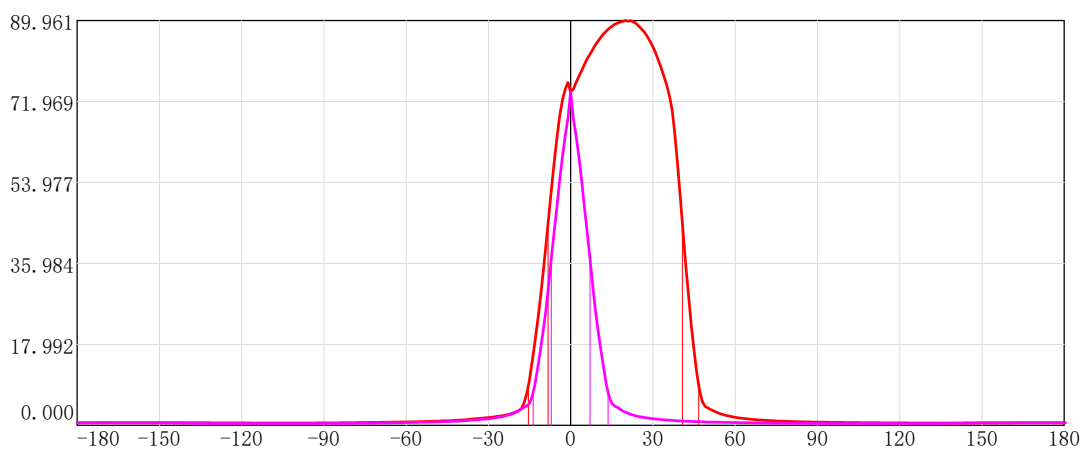
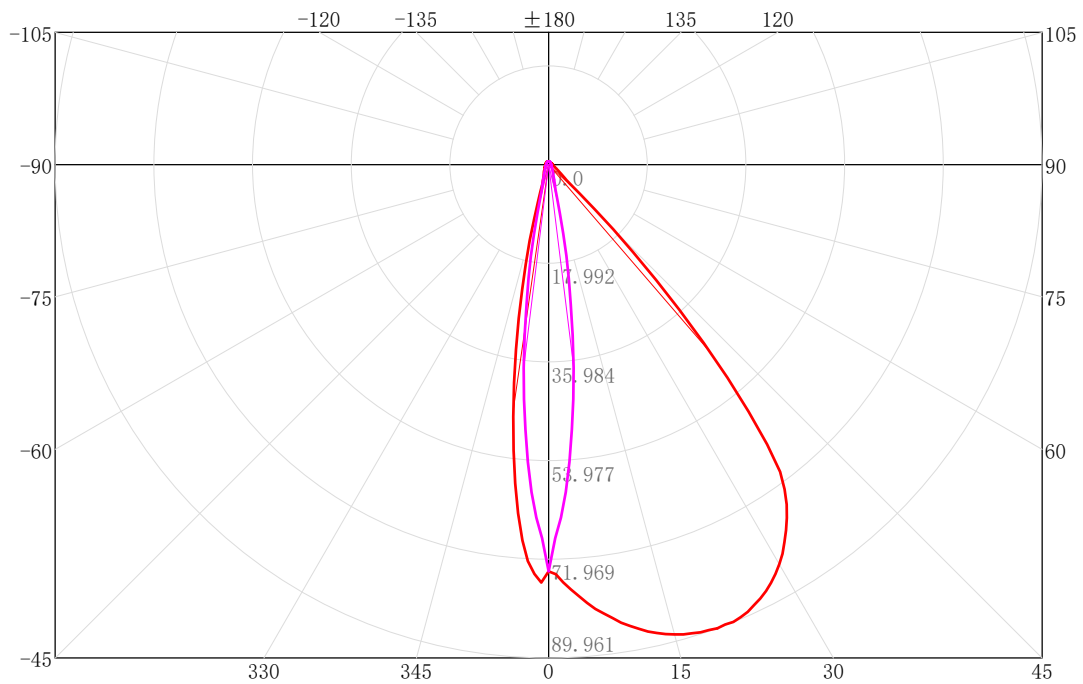
C0 Space ISO Illuminance Curve



2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/06/16

C Plane Distribution Diagram



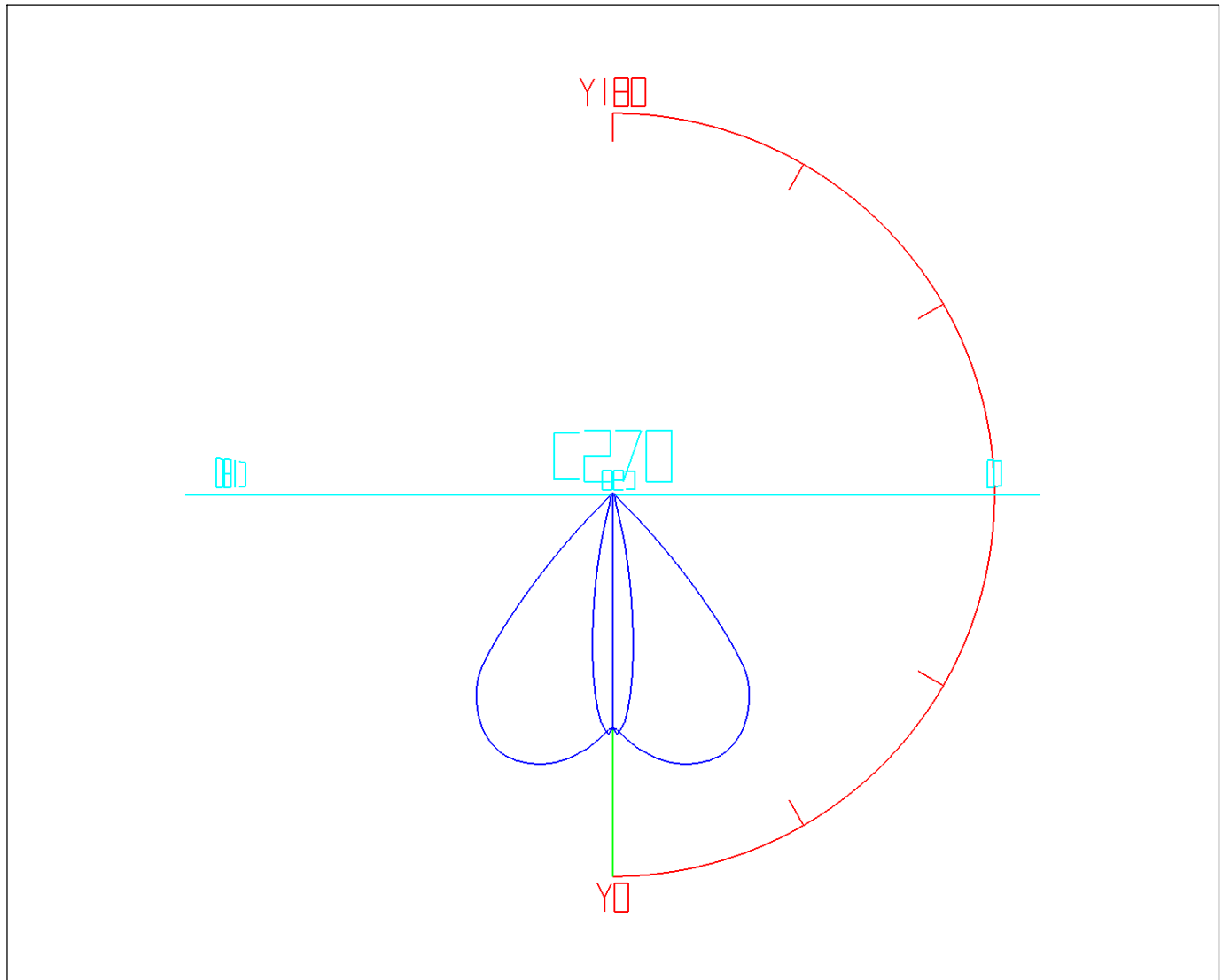
C Plane [50%MaxAng.] [10%MaxAng.]
— C0.0_180.0 : 49.0 62.1
— C90.0_270.0 : 14.1 27.3

Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

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	0.07	0.07	0.15	0.15	47.0-48.0	0.19	40.07	0.40	85.44
1.0-2.0	0.20	0.27	0.43	0.58	48.0-49.0	0.15	40.22	0.32	85.76
2.0-3.0	0.33	0.60	0.70	1.28	49.0-50.0	0.14	40.36	0.29	86.05
3.0-4.0	0.44	1.04	0.94	2.22	50.0-51.0	0.13	40.49	0.28	86.33
4.0-5.0	0.53	1.58	1.14	3.36	51.0-52.0	0.12	40.61	0.27	86.60
5.0-6.0	0.61	2.19	1.31	4.67	52.0-53.0	0.12	40.73	0.25	86.85
6.0-7.0	0.68	2.87	1.44	6.11	53.0-54.0	0.11	40.85	0.24	87.09
7.0-8.0	0.72	3.59	1.53	7.64	54.0-55.0	0.11	40.96	0.23	87.33
8.0-9.0	0.75	4.33	1.59	9.24	55.0-56.0	0.10	41.06	0.22	87.55
9.0-10.0	0.77	5.10	1.63	10.87	56.0-57.0	0.10	41.16	0.22	87.77
10.0-11.0	0.78	5.87	1.65	12.52	57.0-58.0	0.10	41.26	0.21	87.98
11.0-12.0	0.78	6.65	1.66	14.18	58.0-59.0	0.10	41.36	0.20	88.18
12.0-13.0	0.77	7.42	1.65	15.83	59.0-60.0	0.09	41.45	0.20	88.38
13.0-14.0	0.77	8.19	1.64	17.46	60.0-61.0	0.09	41.54	0.19	88.57
14.0-15.0	0.77	8.96	1.64	19.10	61.0-62.0	0.09	41.63	0.19	88.76
15.0-16.0	0.78	9.74	1.67	20.77	62.0-63.0	0.09	41.72	0.19	88.95
16.0-17.0	0.81	10.55	1.72	22.49	63.0-64.0	0.08	41.80	0.18	89.13
17.0-18.0	0.84	11.39	1.78	24.28	64.0-65.0	0.08	41.89	0.18	89.31
18.0-19.0	0.87	12.26	1.86	26.13	65.0-66.0	0.08	41.97	0.17	89.48
19.0-20.0	0.91	13.16	1.94	28.07	66.0-67.0	0.08	42.05	0.17	89.65
20.0-21.0	0.94	14.11	2.01	30.08	67.0-68.0	0.08	42.13	0.17	89.82
21.0-22.0	0.98	15.09	2.09	32.18	68.0-69.0	0.08	42.20	0.16	89.99
22.0-23.0	1.02	16.11	2.17	34.34	69.0-70.0	0.08	42.28	0.16	90.15
23.0-24.0	1.05	17.16	2.24	36.59	70.0-71.0	0.07	42.35	0.16	90.31
24.0-25.0	1.08	18.24	2.31	38.89	71.0-72.0	0.07	42.43	0.16	90.46
25.0-26.0	1.11	19.35	2.37	41.27	72.0-73.0	0.07	42.50	0.15	90.61
26.0-27.0	1.14	20.49	2.43	43.70	73.0-74.0	0.07	42.57	0.15	90.77
27.0-28.0	1.17	21.66	2.49	46.19	74.0-75.0	0.07	42.64	0.15	90.92
28.0-29.0	1.19	22.85	2.54	48.72	75.0-76.0	0.07	42.71	0.15	91.06
29.0-30.0	1.21	24.06	2.58	51.30	76.0-77.0	0.07	42.78	0.15	91.21
30.0-31.0	1.23	25.29	2.61	53.91	77.0-78.0	0.07	42.85	0.15	91.36
31.0-32.0	1.24	26.52	2.64	56.55	78.0-79.0	0.07	42.91	0.14	91.50
32.0-33.0	1.25	27.77	2.66	59.21	79.0-80.0	0.07	42.98	0.14	91.64
33.0-34.0	1.25	29.02	2.67	61.88	80.0-81.0	0.07	43.05	0.14	91.78
34.0-35.0	1.25	30.27	2.67	64.55	81.0-82.0	0.07	43.11	0.14	91.92
35.0-36.0	1.25	31.52	2.66	67.20	82.0-83.0	0.06	43.18	0.14	92.06
36.0-37.0	1.23	32.75	2.62	69.82	83.0-84.0	0.06	43.24	0.14	92.19
37.0-38.0	1.18	33.93	2.52	72.35	84.0-85.0	0.06	43.30	0.14	92.33
38.0-39.0	1.10	35.03	2.35	74.70	85.0-86.0	0.06	43.37	0.13	92.46
39.0-40.0	1.00	36.04	2.14	76.84	86.0-87.0	0.06	43.43	0.13	92.60
40.0-41.0	0.89	36.93	1.90	78.74	87.0-88.0	0.06	43.49	0.13	92.73
41.0-42.0	0.77	37.70	1.64	80.38	88.0-89.0	0.06	43.55	0.13	92.86
42.0-43.0	0.65	38.35	1.39	81.77	89.0-90.0	0.06	43.61	0.13	92.99
43.0-44.0	0.53	38.88	1.14	82.91	90.0-91.0	0.06	43.67	0.13	93.11
44.0-45.0	0.43	39.31	0.91	83.81	91.0-92.0	0.06	43.73	0.13	93.24
45.0-46.0	0.33	39.64	0.70	84.52	92.0-93.0	0.06	43.79	0.13	93.37
46.0-47.0	0.25	39.89	0.53	85.04	93.0-94.0	0.06	43.85	0.13	93.49

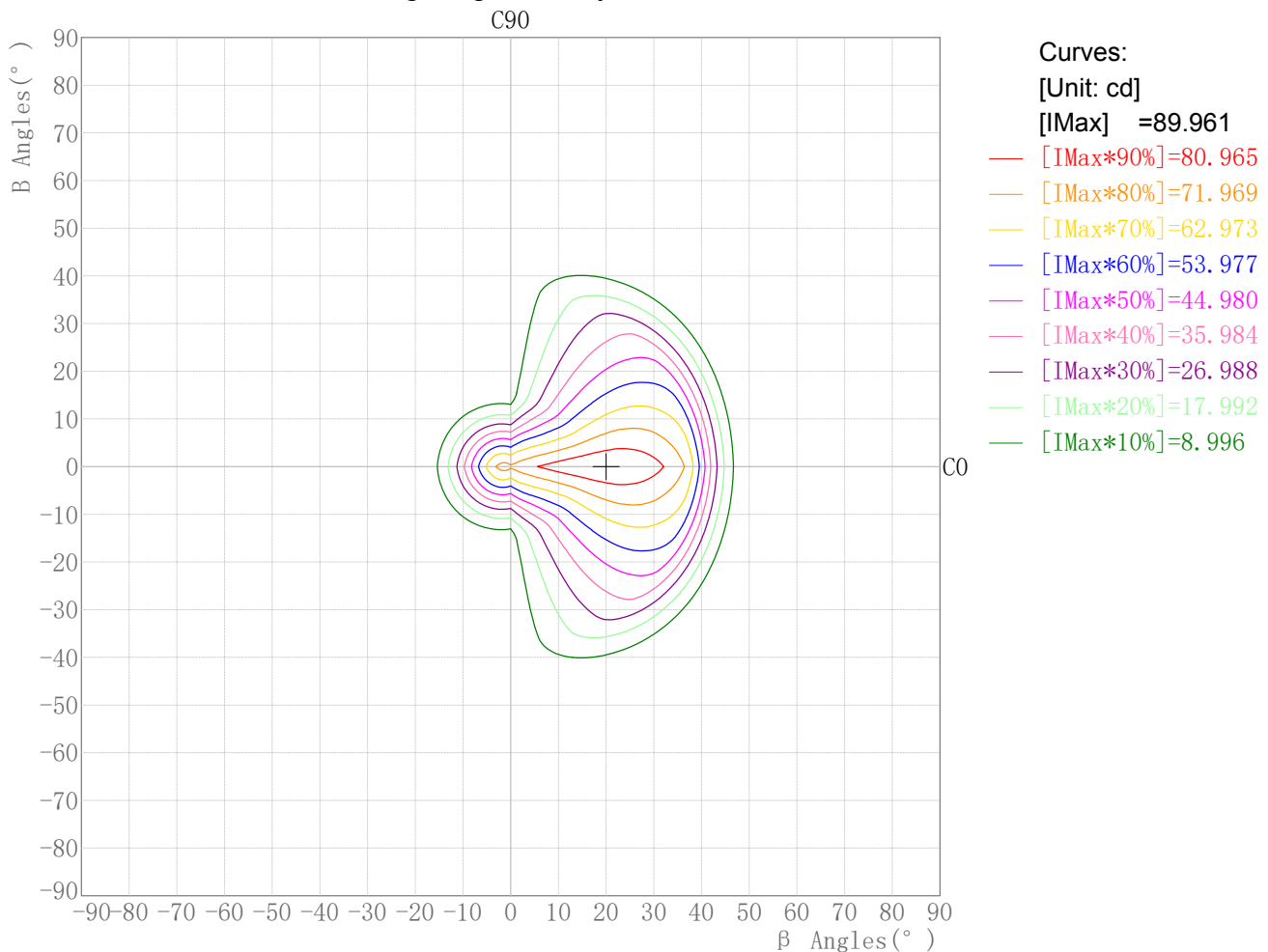
Zonal Flux Tabulation - (Cont.)

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	0.06	43.91	0.12	93.62	141.0-142.0	0.04	46.13	0.08	98.37
95.0-96.0	0.06	43.96	0.12	93.74	142.0-143.0	0.04	46.17	0.08	98.44
96.0-97.0	0.06	44.02	0.12	93.86	143.0-144.0	0.04	46.21	0.08	98.52
97.0-98.0	0.06	44.08	0.12	93.98	144.0-145.0	0.04	46.24	0.08	98.59
98.0-99.0	0.06	44.13	0.12	94.10	145.0-146.0	0.03	46.28	0.07	98.67
99.0-100.0	0.06	44.19	0.12	94.22	146.0-147.0	0.03	46.31	0.07	98.74
100.0-101.0	0.06	44.25	0.12	94.34	147.0-148.0	0.03	46.34	0.07	98.81
101.0-102.0	0.06	44.30	0.12	94.46	148.0-149.0	0.03	46.38	0.07	98.88
102.0-103.0	0.05	44.36	0.12	94.58	149.0-150.0	0.03	46.41	0.07	98.95
103.0-104.0	0.05	44.41	0.12	94.69	150.0-151.0	0.03	46.44	0.07	99.01
104.0-105.0	0.05	44.47	0.12	94.81	151.0-152.0	0.03	46.47	0.06	99.08
105.0-106.0	0.05	44.52	0.11	94.92	152.0-153.0	0.03	46.50	0.06	99.14
106.0-107.0	0.05	44.57	0.11	95.04	153.0-154.0	0.03	46.53	0.06	99.20
107.0-108.0	0.05	44.62	0.11	95.15	154.0-155.0	0.03	46.55	0.06	99.26
108.0-109.0	0.05	44.68	0.11	95.26	155.0-156.0	0.03	46.58	0.06	99.32
109.0-110.0	0.05	44.73	0.11	95.37	156.0-157.0	0.03	46.60	0.05	99.37
110.0-111.0	0.05	44.78	0.11	95.48	157.0-158.0	0.02	46.63	0.05	99.42
111.0-112.0	0.05	44.83	0.11	95.59	158.0-159.0	0.02	46.65	0.05	99.47
112.0-113.0	0.05	44.88	0.11	95.70	159.0-160.0	0.02	46.68	0.05	99.52
113.0-114.0	0.05	44.93	0.11	95.81	160.0-161.0	0.02	46.70	0.05	99.57
114.0-115.0	0.05	44.98	0.11	95.91	161.0-162.0	0.02	46.72	0.04	99.61
115.0-116.0	0.05	45.03	0.10	96.02	162.0-163.0	0.02	46.74	0.04	99.65
116.0-117.0	0.05	45.08	0.10	96.12	163.0-164.0	0.02	46.76	0.04	99.69
117.0-118.0	0.05	45.13	0.10	96.22	164.0-165.0	0.02	46.77	0.04	99.73
118.0-119.0	0.05	45.18	0.10	96.32	165.0-166.0	0.02	46.79	0.03	99.76
119.0-120.0	0.05	45.22	0.10	96.42	166.0-167.0	0.02	46.80	0.03	99.80
120.0-121.0	0.05	45.27	0.10	96.52	167.0-168.0	0.01	46.82	0.03	99.83
121.0-122.0	0.05	45.32	0.10	96.62	168.0-169.0	0.01	46.83	0.03	99.85
122.0-123.0	0.05	45.36	0.10	96.72	169.0-170.0	0.01	46.84	0.03	99.88
123.0-124.0	0.04	45.41	0.10	96.81	170.0-171.0	0.01	46.85	0.02	99.90
124.0-125.0	0.04	45.45	0.09	96.91	171.0-172.0	0.01	46.86	0.02	99.92
125.0-126.0	0.04	45.49	0.09	97.00	172.0-173.0	0.01	46.87	0.02	99.94
126.0-127.0	0.04	45.54	0.09	97.09	173.0-174.0	0.01	46.88	0.02	99.96
127.0-128.0	0.04	45.58	0.09	97.19	174.0-175.0	0.01	46.89	0.01	99.97
128.0-129.0	0.04	45.62	0.09	97.28	175.0-176.0	0.01	46.89	0.01	99.98
129.0-130.0	0.04	45.66	0.09	97.36	176.0-177.0	0.00	46.89	0.01	99.99
130.0-131.0	0.04	45.71	0.09	97.45	177.0-178.0	0.00	46.90	0.01	100.00
131.0-132.0	0.04	45.75	0.09	97.54	178.0-179.0	0.00	46.90	0.00	100.00
132.0-133.0	0.04	45.79	0.09	97.63	179.0-180.0	0.00	46.90	0.00	100.00
133.0-134.0	0.04	45.83	0.09	97.71					
134.0-135.0	0.04	45.87	0.08	97.80					
135.0-136.0	0.04	45.91	0.08	97.88					
136.0-137.0	0.04	45.95	0.08	97.97					
137.0-138.0	0.04	45.98	0.08	98.05					
138.0-139.0	0.04	46.02	0.08	98.13					
139.0-140.0	0.04	46.06	0.08	98.21					
140.0-141.0	0.04	46.10	0.08	98.29					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

ISO Lighting Intensity Curve



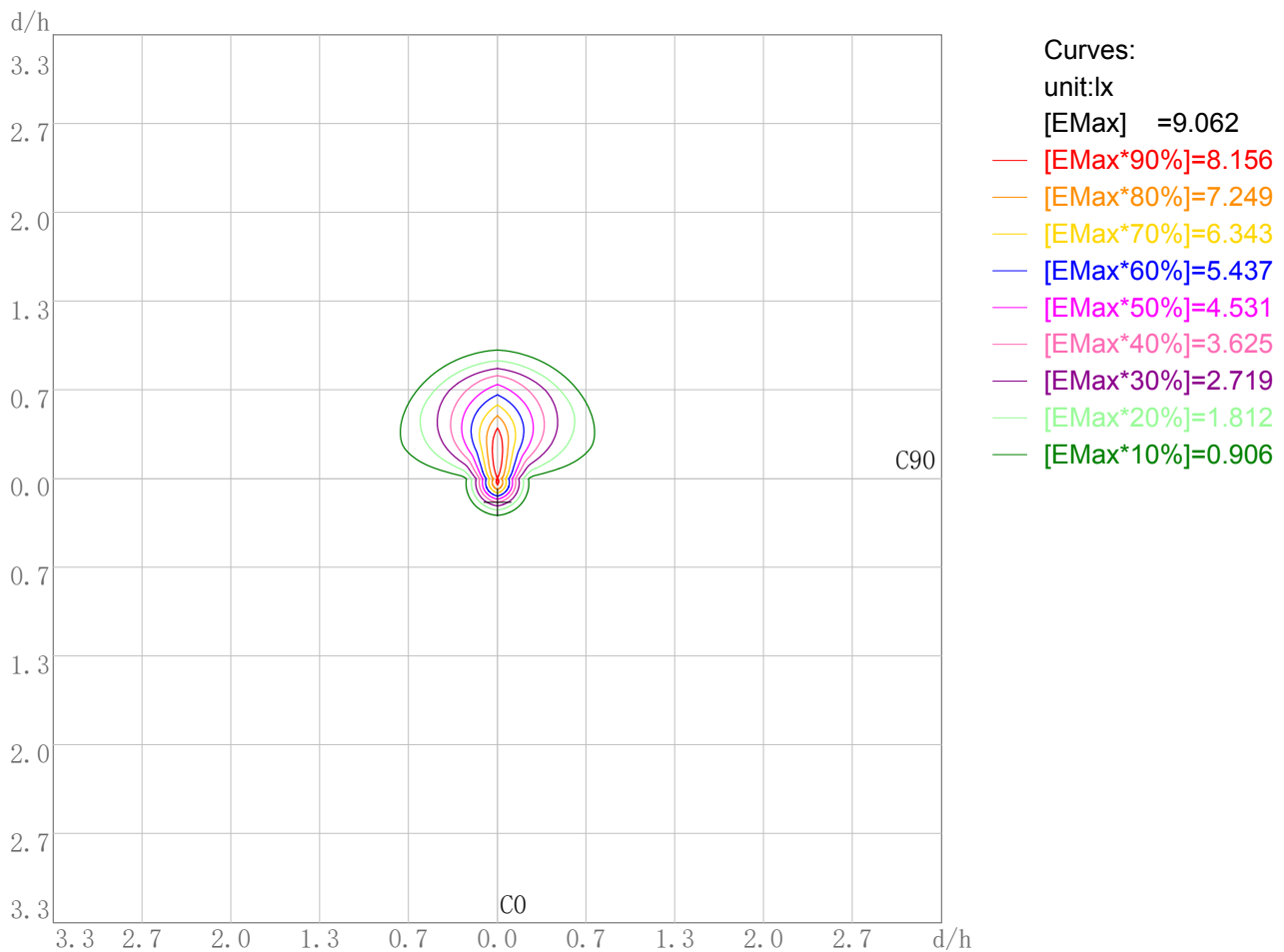
Maximum Light Intensity(cd): 89.96

Maximum Cand.@Angle: H=20.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

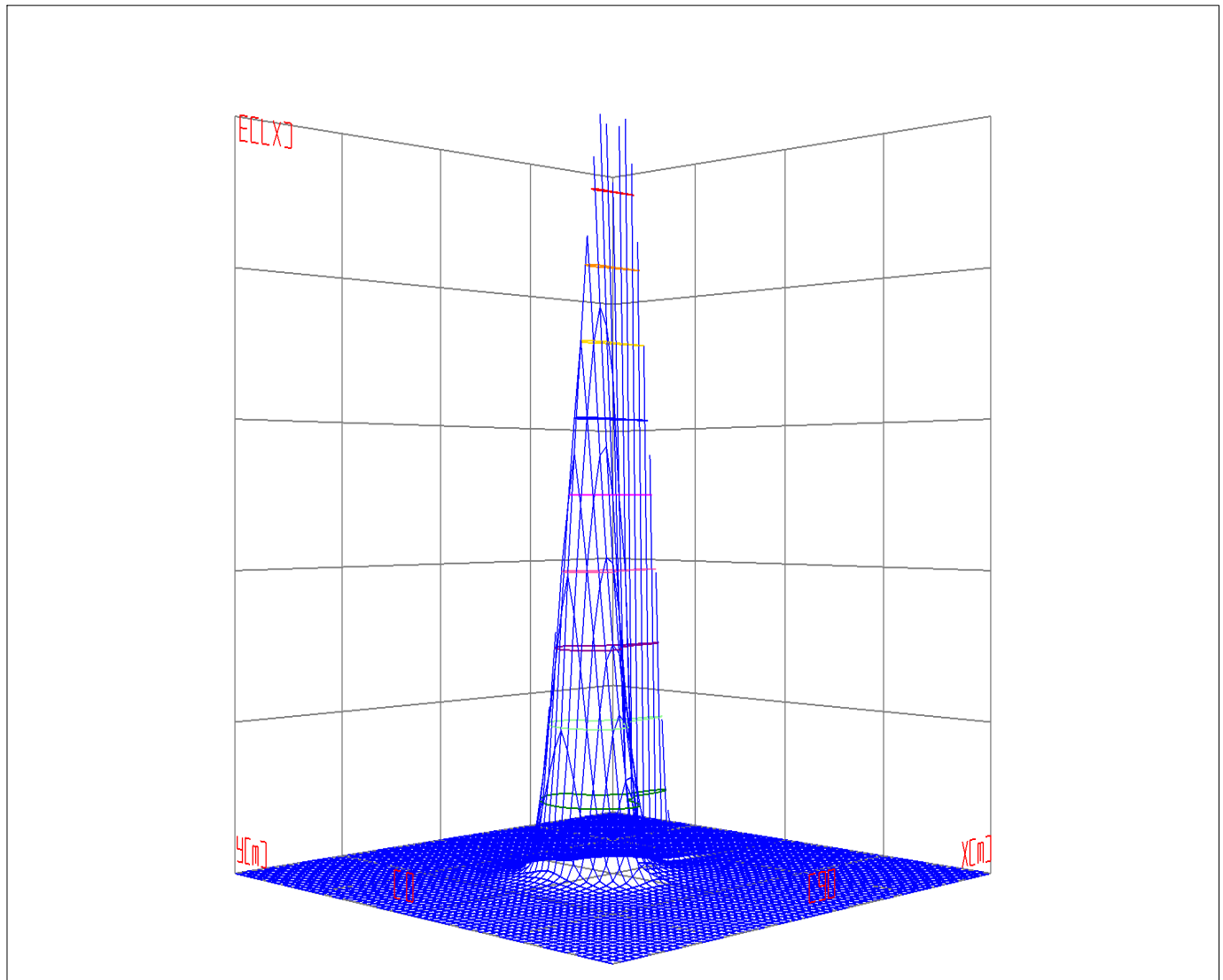
Plane ISO-Illuminance Curve



3D Plane ISO Illuminance Diagram

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

3D Plane Illuminance Model

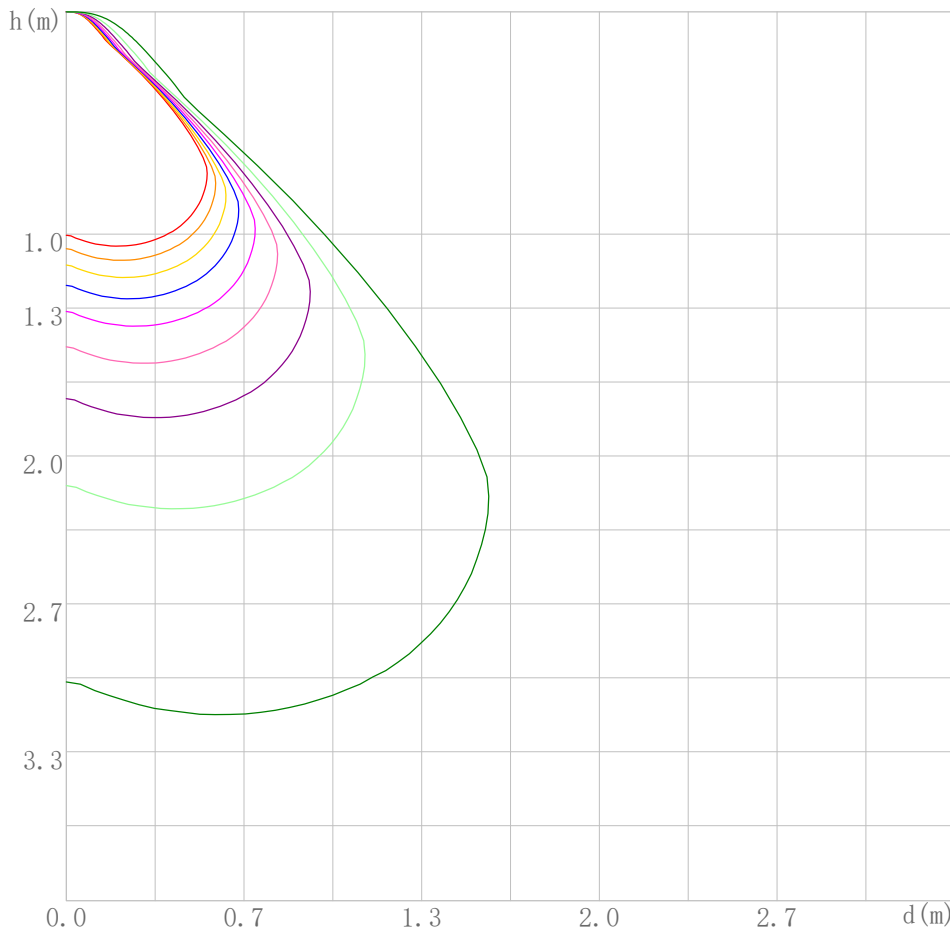


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[E_{Max}] =81.555

— [E_{Max}*90%]=73.400

— [E_{Max}*80%]=65.244

— [E_{Max}*70%]=57.089

— [E_{Max}*60%]=48.933

— [E_{Max}*50%]=40.778

— [E_{Max}*40%]=32.622

— [E_{Max}*30%]=24.467

— [E_{Max}*20%]=16.311

— [E_{Max}*10%]=8.156

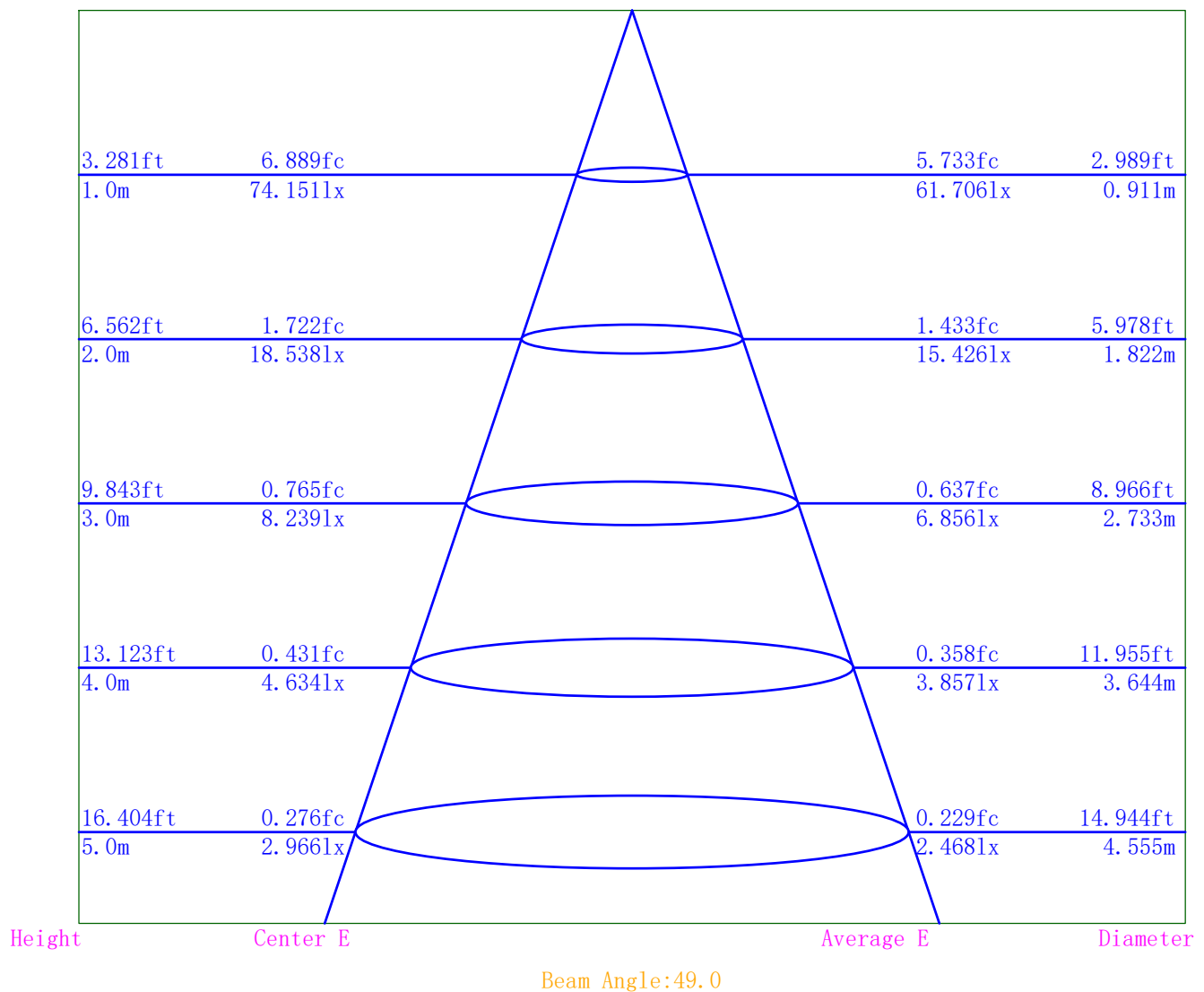
Space Plane Maximum Illuminance and @Angle:81.56lx,10.0deg

Plane Maximum Lighting Intensity and @Angle:89.961cd,0deg

Illuminance-Distance Diagram

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

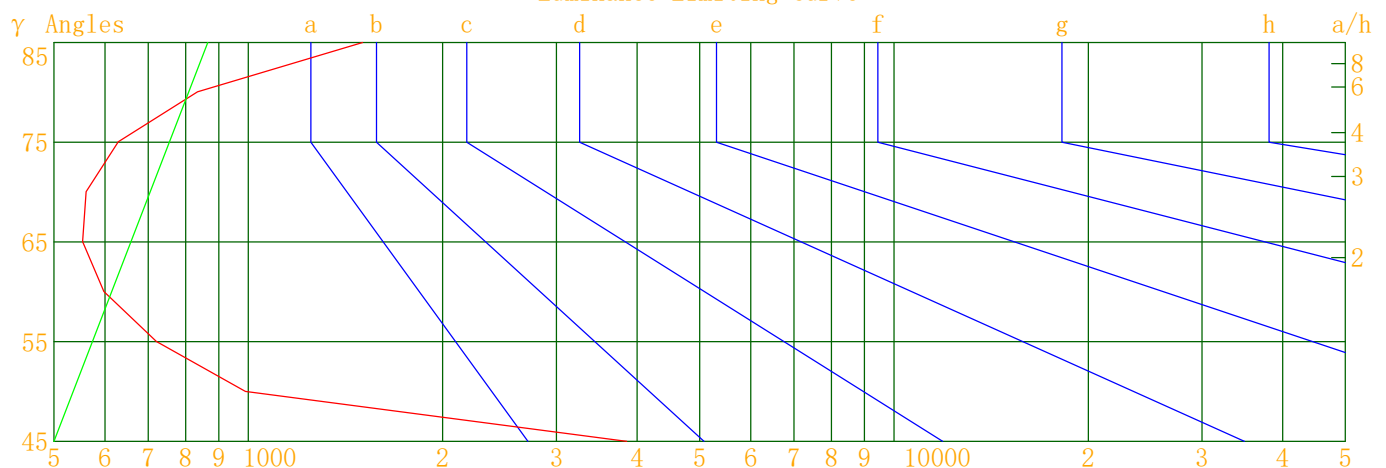
Glare Grade Table

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	3855	990	721	597	554	561	629	835	1503
C90	198	195	199	208	230	250	310	451	865

Luminance Limiting Curve



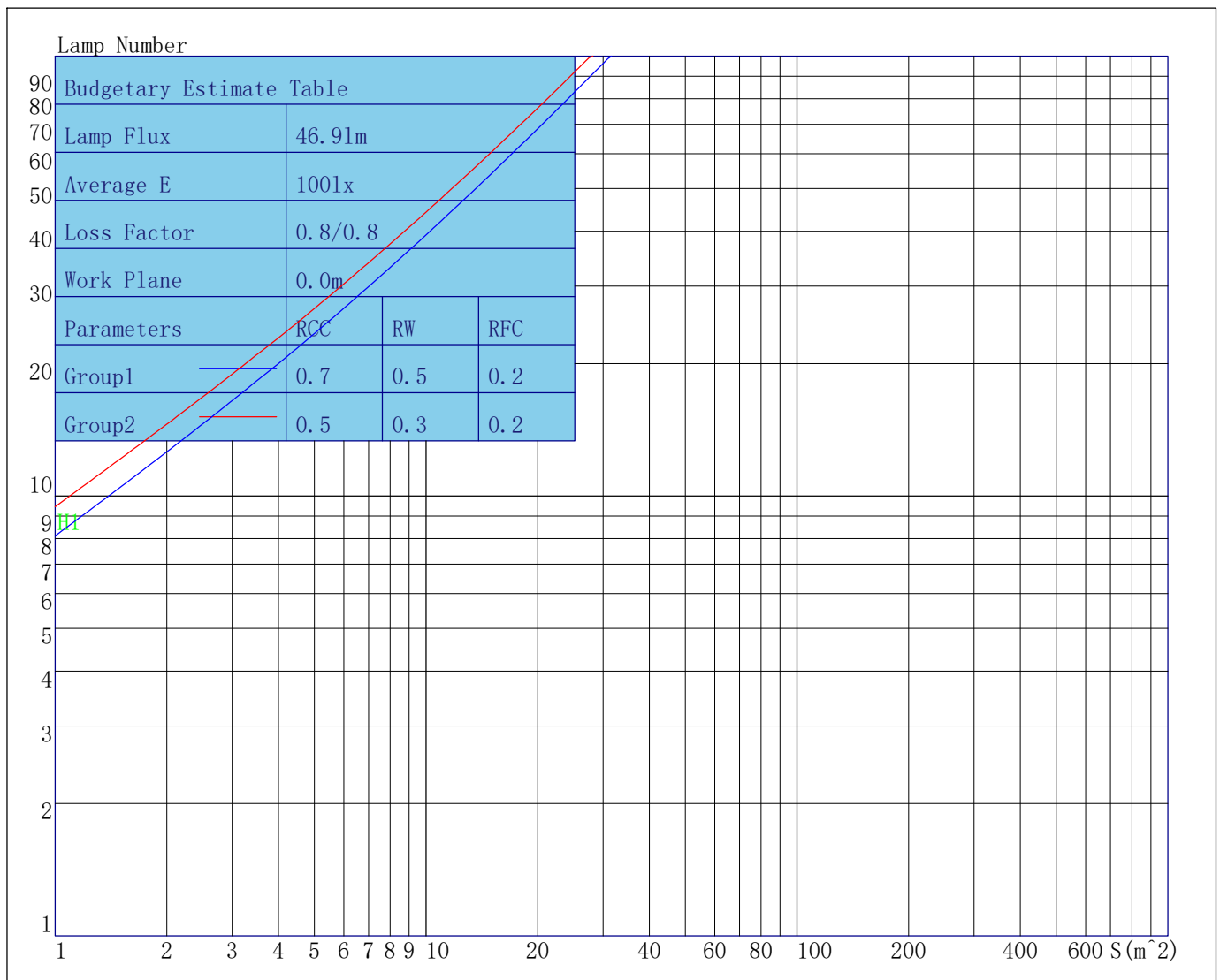
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.072 Area(m^2)=0.006100

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: HCP-22X2342+HCP-22X4342 4000K 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-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	110	107	104	101	107	104	101	99	99	97	95	94	92	91	89	88	87	84
2	104	98	93	89	101	96	91	88	91	88	85	87	84	82	83	81	79	77
3	98	90	84	80	95	88	83	79	84	80	76	81	77	74	78	75	72	70
4	92	83	77	72	89	81	76	71	78	73	69	75	71	68	73	69	66	64
5	86	77	70	65	84	76	69	65	73	68	64	70	66	62	68	64	61	59
6	82	71	65	60	79	70	64	59	68	63	58	66	61	58	64	60	57	55
7	77	67	60	55	75	66	59	55	64	58	54	62	57	53	60	56	53	51
8	73	62	56	51	71	61	55	51	60	54	50	58	53	49	56	52	49	47
9	69	58	52	48	67	58	51	47	56	51	47	55	50	46	53	49	46	44
10	65	55	49	44	64	54	48	44	53	47	44	52	47	43	50	46	43	41

Unified Glare Rating Table

Lum. Name: HCP-22X2342+HCP-22X4342 4000K RA80	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/06/16

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	16.9	17.9	17.4	18.3	18.8	7.5	8.6	8.0	9.0	9.5
	16.8	17.7	17.3	18.2	18.7	7.7	8.6	8.2	9.1	9.6
	16.8	17.6	17.3	18.1	18.6	7.9	8.8	8.4	9.2	9.8
	16.8	17.5	17.3	18.1	18.6	8.3	9.1	8.8	9.6	10.2
	16.8	17.5	17.4	18.1	18.7	8.6	9.3	9.2	9.9	10.4
	16.9	17.6	17.5	18.1	18.7	9.1	9.8	9.6	10.3	10.9
X=4H Y=2H	16.6	17.4	17.1	17.9	18.5	7.5	8.3	8.0	8.8	9.4
	16.5	17.2	17.1	17.8	18.3	7.9	8.6	8.4	9.1	9.7
	16.5	17.2	17.1	17.7	18.3	8.2	8.9	8.8	9.4	10.0
	16.7	17.2	17.2	17.8	18.4	8.9	9.5	9.5	10.0	10.7
	16.8	17.3	17.3	17.8	18.5	9.4	9.9	10.0	10.5	11.1
	16.9	17.4	17.5	18.0	18.6	10.1	10.5	10.7	11.1	11.7
X=8H Y=4H	16.4	16.9	17.0	17.5	18.1	8.5	9.0	9.1	9.6	10.2
	16.6	17.0	17.2	17.6	18.3	9.5	9.9	10.1	10.5	11.2
	16.8	17.1	17.4	17.8	18.4	10.2	10.5	10.8	11.2	11.8
	17.1	17.4	17.8	18.1	18.8	11.1	11.4	11.7	12.0	12.8
X=12H Y=4H	16.4	16.8	17.0	17.4	18.1	8.6	9.0	9.2	9.7	10.3
	16.6	16.9	17.2	17.5	18.2	9.7	10.1	10.3	10.6	11.3
	16.8	17.1	17.4	17.7	18.5	10.5	10.8	11.1	11.4	12.2
Variations with the observer position at spacings										
S=1.0H	0.0/-0.0					0.1/-0.1				
S=1.5H	0.1/-0.1					0.1/-0.1				
S=2.0H	0.0/-0.1					0.1/-0.2				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.7					2.6				

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
γ 0.0	74.15	74.15	74.15
γ 1.0	74.69	68.13	76.21
γ 2.0	76.22	64.38	74.65
γ 3.0	77.54	59.79	72.38
γ 4.0	78.84	54.32	68.64
γ 5.0	80.19	48.48	63.81
γ 6.0	81.46	43.02	58.42
γ 7.0	82.43	37.34	52.52
γ 8.0	83.44	31.42	46.42
γ 9.0	84.57	25.76	40.21
γ 10.0	85.39	21.12	34.23
γ 11.0	86.19	16.95	28.54
γ 12.0	87.01	12.81	23.21
γ 13.0	87.62	9.11	18.59
γ 14.0	88.21	6.48	14.32
γ 15.0	88.65	4.92	10.17
γ 16.0	89.10	4.35	7.09
γ 17.0	89.35	4.00	5.05
γ 18.0	89.65	3.63	3.70
γ 19.0	89.75	3.24	3.28
γ 20.0	89.96	2.93	3.03
γ 21.0	89.80	2.67	2.79
γ 22.0	89.91	2.45	2.55
γ 23.0	89.61	2.28	2.39
γ 24.0	89.25	2.11	2.26
γ 25.0	88.61	1.97	2.15
γ 26.0	88.02	1.86	2.06
γ 27.0	87.26	1.75	1.98
γ 28.0	86.35	1.67	1.89
γ 29.0	85.29	1.58	1.83
γ 30.0	84.08	1.51	1.76
γ 31.0	82.75	1.44	1.71
γ 32.0	81.12	1.37	1.64
γ 33.0	79.46	1.31	1.60
γ 34.0	77.67	1.25	1.54
γ 35.0	75.63	1.21	1.48
γ 36.0	73.20	1.16	1.42
γ 37.0	70.12	1.13	1.37
γ 38.0	64.71	1.08	1.30
γ 39.0	57.92	1.04	1.25
γ 40.0	50.72	1.01	1.20
γ 41.0	43.03	0.97	1.16
γ 42.0	35.58	0.94	1.12
γ 43.0	28.68	0.91	1.09
γ 44.0	22.11	0.89	1.06
γ 45.0	16.63	0.86	1.03
γ 46.0	11.66	0.85	1.01

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0
γ 47.0	7.83	0.81	0.99
γ 48.0	5.38	0.81	0.97
γ 49.0	4.27	0.78	0.95
γ 50.0	3.88	0.76	0.93
γ 51.0	3.57	0.75	0.91
γ 52.0	3.28	0.74	0.89
γ 53.0	2.99	0.72	0.88
γ 54.0	2.74	0.70	0.87
γ 55.0	2.52	0.70	0.85
γ 56.0	2.34	0.68	0.83
γ 57.0	2.18	0.67	0.82
γ 58.0	2.05	0.66	0.81
γ 59.0	1.92	0.65	0.79
γ 60.0	1.82	0.63	0.79
γ 61.0	1.72	0.63	0.78
γ 62.0	1.64	0.61	0.77
γ 63.0	1.55	0.61	0.75
γ 64.0	1.48	0.60	0.74
γ 65.0	1.43	0.59	0.73
γ 66.0	1.35	0.57	0.72
γ 67.0	1.30	0.57	0.71
γ 68.0	1.25	0.56	0.70
γ 69.0	1.20	0.54	0.70
γ 70.0	1.17	0.52	0.68
γ 71.0	1.12	0.52	0.68
γ 72.0	1.09	0.51	0.67
γ 73.0	1.06	0.50	0.66
γ 74.0	1.02	0.50	0.66
γ 75.0	0.99	0.49	0.64
γ 76.0	0.97	0.50	0.65
γ 77.0	0.94	0.49	0.63
γ 78.0	0.93	0.49	0.63
γ 79.0	0.89	0.48	0.62
γ 80.0	0.88	0.48	0.62
γ 81.0	0.87	0.47	0.61
γ 82.0	0.84	0.47	0.61
γ 83.0	0.82	0.47	0.61
γ 84.0	0.81	0.47	0.60
γ 85.0	0.80	0.46	0.58
γ 86.0	0.78	0.46	0.58
γ 87.0	0.77	0.46	0.57
γ 88.0	0.75	0.46	0.57
γ 89.0	0.74	0.45	0.57
γ 90.0	0.74	0.45	0.56
γ 91.0	0.73	0.45	0.57
γ 92.0	0.71	0.44	0.55
γ 93.0	0.71	0.45	0.56

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0
γ 94.0	0.70	0.44	0.55
γ 95.0	0.68	0.44	0.55
γ 96.0	0.68	0.44	0.54
γ 97.0	0.67	0.44	0.55
γ 98.0	0.67	0.44	0.54
γ 99.0	0.67	0.44	0.54
γ 100.0	0.65	0.44	0.54
γ 101.0	0.65	0.44	0.54
γ 102.0	0.64	0.44	0.54
γ 103.0	0.65	0.43	0.54
γ 104.0	0.63	0.44	0.53
γ 105.0	0.63	0.45	0.54
γ 106.0	0.62	0.43	0.53
γ 107.0	0.62	0.43	0.53
γ 108.0	0.61	0.44	0.54
γ 109.0	0.61	0.44	0.54
γ 110.0	0.60	0.44	0.54
γ 111.0	0.60	0.44	0.54
γ 112.0	0.60	0.43	0.54
γ 113.0	0.59	0.43	0.54
γ 114.0	0.58	0.43	0.54
γ 115.0	0.58	0.43	0.54
γ 116.0	0.58	0.43	0.54
γ 117.0	0.57	0.42	0.55
γ 118.0	0.57	0.43	0.55
γ 119.0	0.56	0.43	0.55
γ 120.0	0.57	0.42	0.56
γ 121.0	0.56	0.42	0.56
γ 122.0	0.56	0.42	0.56
γ 123.0	0.56	0.42	0.56
γ 124.0	0.55	0.42	0.57
γ 125.0	0.54	0.42	0.56
γ 126.0	0.55	0.43	0.57
γ 127.0	0.55	0.42	0.58
γ 128.0	0.55	0.42	0.58
γ 129.0	0.54	0.43	0.58
γ 130.0	0.54	0.43	0.59
γ 131.0	0.54	0.44	0.58
γ 132.0	0.54	0.44	0.59
γ 133.0	0.53	0.44	0.60
γ 134.0	0.54	0.45	0.60
γ 135.0	0.53	0.45	0.60
γ 136.0	0.53	0.46	0.60
γ 137.0	0.54	0.46	0.61
γ 138.0	0.54	0.47	0.60
γ 139.0	0.53	0.48	0.62
γ 140.0	0.53	0.49	0.61

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0
γ 141.0	0.54	0.49	0.61
γ 142.0	0.53	0.51	0.63
γ 143.0	0.53	0.51	0.62
γ 144.0	0.54	0.52	0.62
γ 145.0	0.55	0.52	0.62
γ 146.0	0.55	0.53	0.62
γ 147.0	0.55	0.55	0.62
γ 148.0	0.56	0.55	0.60
γ 149.0	0.55	0.56	0.62
γ 150.0	0.55	0.55	0.61
γ 151.0	0.55	0.56	0.62
γ 152.0	0.56	0.56	0.62
γ 153.0	0.56	0.57	0.61
γ 154.0	0.56	0.57	0.61
γ 155.0	0.56	0.58	0.62
γ 156.0	0.57	0.58	0.62
γ 157.0	0.57	0.57	0.62
γ 158.0	0.57	0.58	0.62
γ 159.0	0.58	0.57	0.62
γ 160.0	0.58	0.58	0.61
γ 161.0	0.58	0.58	0.62
γ 162.0	0.59	0.58	0.62
γ 163.0	0.59	0.58	0.61
γ 164.0	0.60	0.58	0.61
γ 165.0	0.60	0.58	0.62
γ 166.0	0.60	0.59	0.62
γ 167.0	0.61	0.58	0.62
γ 168.0	0.61	0.58	0.62
γ 169.0	0.60	0.57	0.62
γ 170.0	0.61	0.57	0.61
γ 171.0	0.61	0.57	0.63
γ 172.0	0.61	0.57	0.62
γ 173.0	0.61	0.56	0.61
γ 174.0	0.61	0.56	0.61
γ 175.0	0.61	0.56	0.62
γ 176.0	0.62	0.56	0.62
γ 177.0	0.62	0.55	0.62
γ 178.0	0.62	0.55	0.62
γ 179.0	0.62	0.56	0.61
γ 180.0	0.60	0.60	0.60