HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Indoor Luminaire Photometric Data

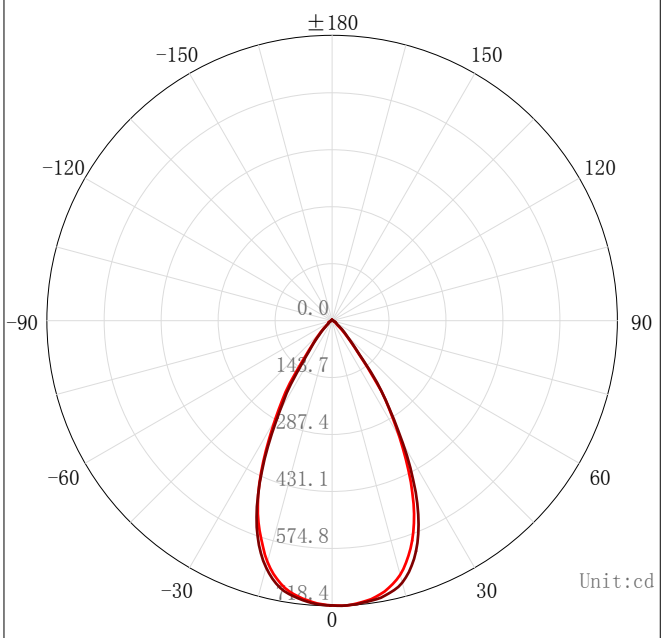
Description Information

Luminary Name: HCP-1022122+HCP-1032122 5700K 60D		Lum. Catelog:	Test ID: 01
Lamp Name:		Lamp Catelog: LED	Test Date: 2020/12/02
Manufacture: Havit Commercial		Shld.Ang(°):	Test Machine:GON-2000
Test Lab: Quality Department		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.000m*0.000m*0.000m		Lum.Area(m2):0.000	Lum.W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp.(℃): 25	Humidity(%): 50.0

Character Parameter

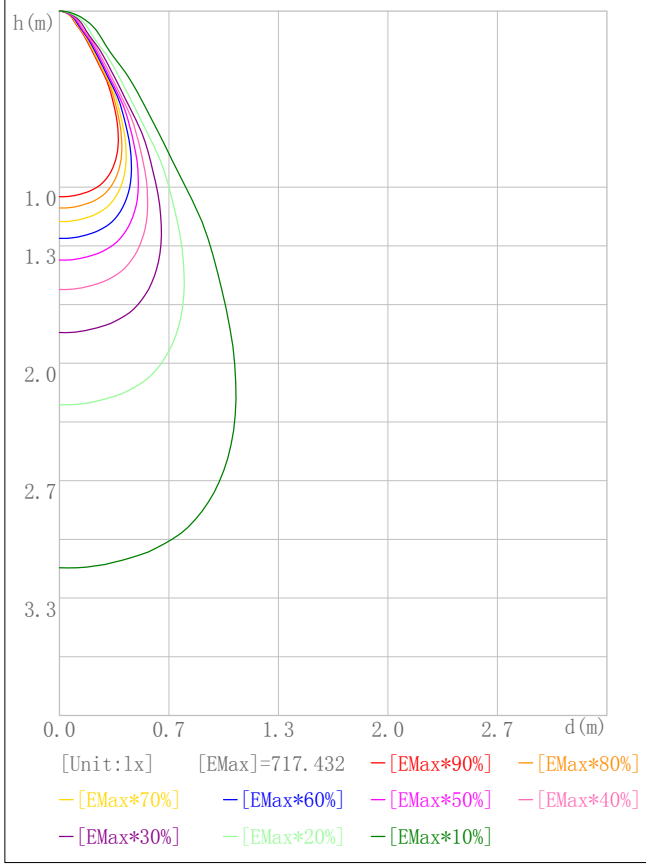
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 626.230	Luminary Flux(lm): 626.229	Field Angle(10%Imax): 81.5(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 624.808lm 99.77%
Rated Voltage(V):	Luminary EER(lm/W): 65.629	Up Lumens&Percent: 1.421lm 0.23%
Tested Power(W): 9.542	Max.Candela(cd): 718.446	S/MH: C0_a180=0.914 C90_270=0.898
Lamps' Inside: 1	Max Cand@Ang.(°): C=90.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):240.2,0.043,0.912	Beam Angle(50%Imax): 56.6(°)	ErP Φuse(90°): 585.159lm
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Left=-27.2° ,Right=29.3°	IRF(%): 237.117

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]
C90.0_270.0 :	56.6	81.5
C0.0_180.0 :	56.8	81.1

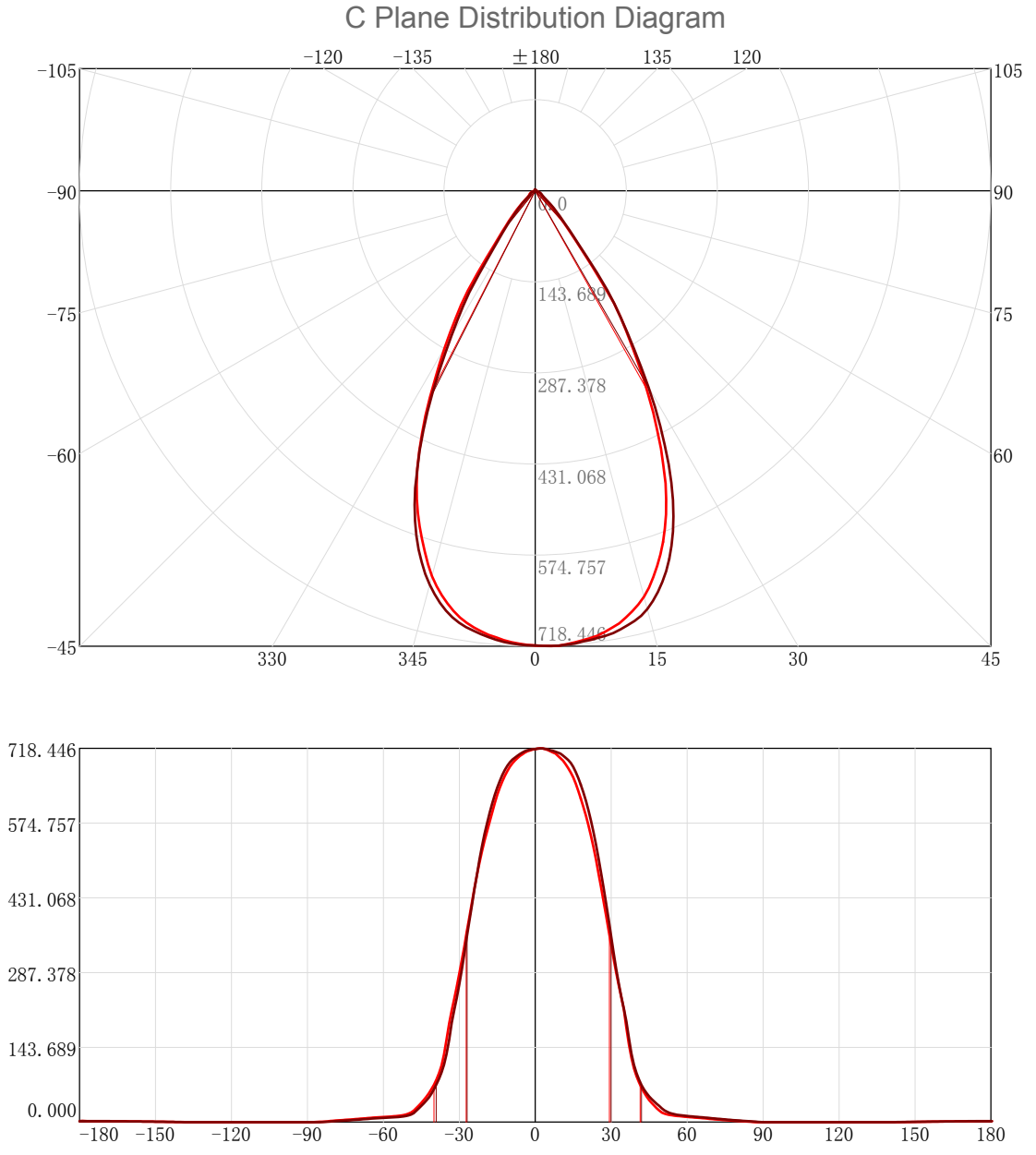
C0 Space ISO Illuminance Curve



HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02



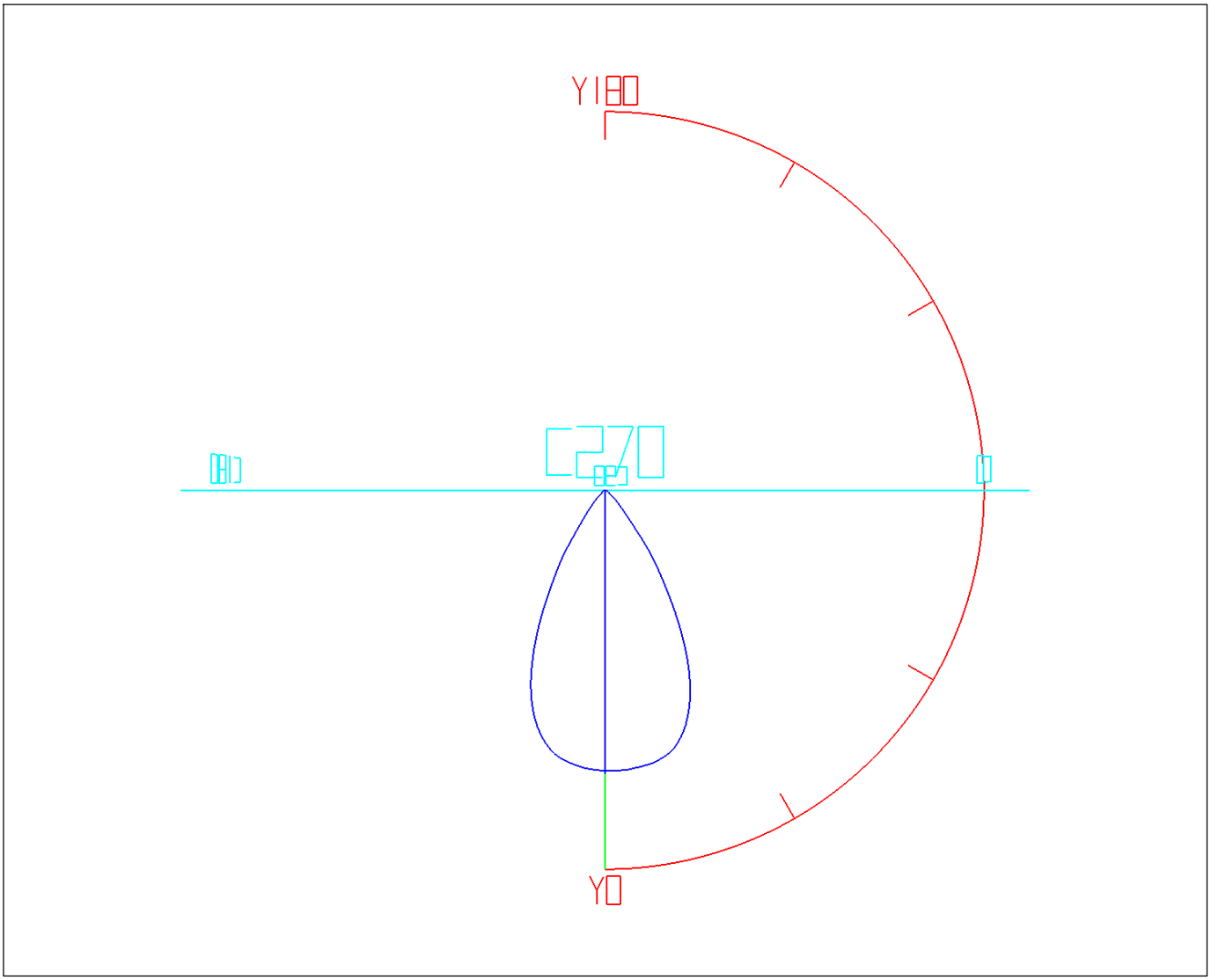
C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C90.0_270.0 :	56.6	81.5	
C0.0_180.0 :	56.8	81.1	

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

3D Light Intensity Distribution Modal

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

3D Light Intensity Distribution Modal



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

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

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	0.69	0.69	0.11	0.11	47.0-48.0	2.25	596.09	0.36	95.19
1.0-2.0	2.06	2.74	0.33	0.44	48.0-49.0	1.94	598.03	0.31	95.50
2.0-3.0	3.43	6.17	0.55	0.99	49.0-50.0	1.68	599.71	0.27	95.77
3.0-4.0	4.79	10.96	0.76	1.75	50.0-51.0	1.48	601.20	0.24	96.00
4.0-5.0	6.14	17.10	0.98	2.73	51.0-52.0	1.35	602.55	0.22	96.22
5.0-6.0	7.47	24.57	1.19	3.92	52.0-53.0	1.25	603.80	0.20	96.42
6.0-7.0	8.79	33.36	1.40	5.33	53.0-54.0	1.18	604.98	0.19	96.61
7.0-8.0	10.10	43.46	1.61	6.94	54.0-55.0	1.13	606.11	0.18	96.79
8.0-9.0	11.38	54.85	1.82	8.76	55.0-56.0	1.08	607.19	0.17	96.96
9.0-10.0	12.63	67.48	2.02	10.78	56.0-57.0	1.05	608.24	0.17	97.13
10.0-11.0	13.85	81.32	2.21	12.99	57.0-58.0	1.02	609.26	0.16	97.29
11.0-12.0	15.00	96.33	2.40	15.38	58.0-59.0	0.99	610.26	0.16	97.45
12.0-13.0	16.11	112.43	2.57	17.95	59.0-60.0	0.97	611.23	0.15	97.60
13.0-14.0	17.15	129.58	2.74	20.69	60.0-61.0	0.94	612.17	0.15	97.76
14.0-15.0	18.12	147.70	2.89	23.59	61.0-62.0	0.92	613.09	0.15	97.90
15.0-16.0	18.99	166.69	3.03	26.62	62.0-63.0	0.89	613.98	0.14	98.04
16.0-17.0	19.75	186.43	3.15	29.77	63.0-64.0	0.86	614.84	0.14	98.18
17.0-18.0	20.40	206.83	3.26	33.03	64.0-65.0	0.83	615.68	0.13	98.31
18.0-19.0	20.96	227.79	3.35	36.38	65.0-66.0	0.80	616.48	0.13	98.44
19.0-20.0	21.41	249.20	3.42	39.79	66.0-67.0	0.77	617.24	0.12	98.56
20.0-21.0	21.71	270.91	3.47	43.26	67.0-68.0	0.73	617.97	0.12	98.68
21.0-22.0	21.88	292.79	3.49	46.75	68.0-69.0	0.69	618.66	0.11	98.79
22.0-23.0	21.88	314.67	3.49	50.25	69.0-70.0	0.65	619.31	0.10	98.90
23.0-24.0	21.73	336.40	3.47	53.72	70.0-71.0	0.61	619.93	0.10	98.99
24.0-25.0	21.39	357.79	3.42	57.13	71.0-72.0	0.58	620.50	0.09	99.09
25.0-26.0	20.89	378.68	3.34	60.47	72.0-73.0	0.54	621.04	0.09	99.17
26.0-27.0	20.24	398.93	3.23	63.70	73.0-74.0	0.50	621.54	0.08	99.25
27.0-28.0	19.44	418.37	3.10	66.81	74.0-75.0	0.46	622.00	0.07	99.33
28.0-29.0	18.55	436.92	2.96	69.77	75.0-76.0	0.43	622.43	0.07	99.39
29.0-30.0	17.59	454.51	2.81	72.58	76.0-77.0	0.39	622.82	0.06	99.46
30.0-31.0	16.58	471.09	2.65	75.23	77.0-78.0	0.35	623.18	0.06	99.51
31.0-32.0	15.54	486.63	2.48	77.71	78.0-79.0	0.32	623.49	0.05	99.56
32.0-33.0	14.50	501.14	2.32	80.02	79.0-80.0	0.28	623.78	0.05	99.61
33.0-34.0	13.36	514.50	2.13	82.16	80.0-81.0	0.25	624.02	0.04	99.65
34.0-35.0	12.06	526.56	1.93	84.08	81.0-82.0	0.21	624.23	0.03	99.68
35.0-36.0	10.65	537.22	1.70	85.79	82.0-83.0	0.17	624.40	0.03	99.71
36.0-37.0	9.21	546.43	1.47	87.26	83.0-84.0	0.13	624.53	0.02	99.73
37.0-38.0	7.91	554.34	1.26	88.52	84.0-85.0	0.10	624.63	0.02	99.74
38.0-39.0	6.84	561.17	1.09	89.61	85.0-86.0	0.07	624.70	0.01	99.76
39.0-40.0	5.99	567.16	0.96	90.57	86.0-87.0	0.05	624.76	0.01	99.76
40.0-41.0	5.30	572.46	0.85	91.41	87.0-88.0	0.03	624.79	0.00	99.77
41.0-42.0	4.70	577.16	0.75	92.16	88.0-89.0	0.02	624.80	0.00	99.77
42.0-43.0	4.17	581.33	0.67	92.83	89.0-90.0	0.01	624.81	0.00	99.77
43.0-44.0	3.71	585.04	0.59	93.42	90.0-91.0	0.00	624.81	0.00	99.77
44.0-45.0	3.30	588.34	0.53	93.95	91.0-92.0	0.00	624.81	0.00	99.77
45.0-46.0	2.92	591.26	0.47	94.42	92.0-93.0	0.00	624.81	0.00	99.77
46.0-47.0	2.58	593.85	0.41	94.83	93.0-94.0	0.00	624.81	0.00	99.77

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Zonal Flux Tabulation - (Cont.)

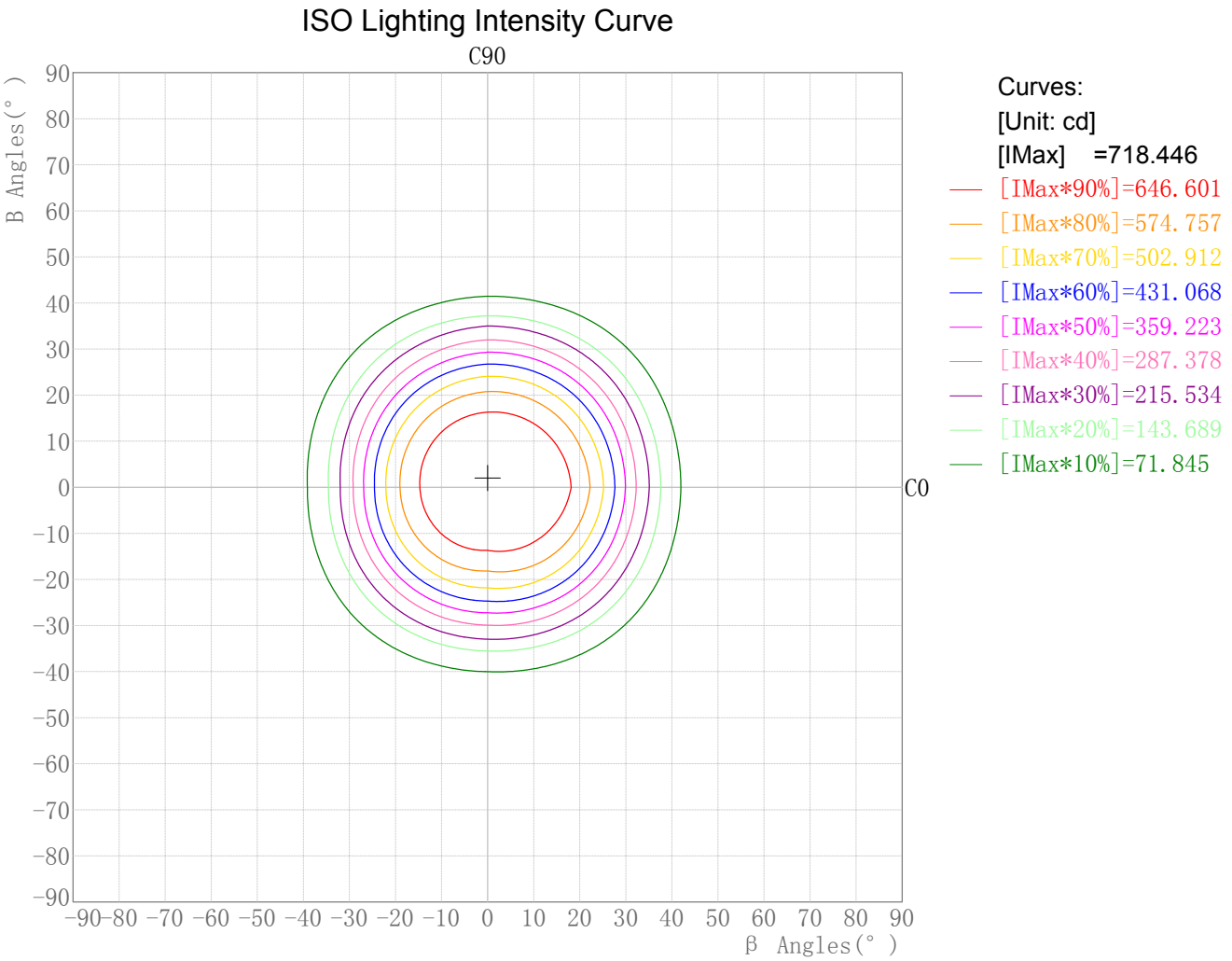
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	624.81	0.00	99.77
95.0-96.0	0.00	624.81	0.00	99.77
96.0-97.0	0.00	624.81	0.00	99.77
97.0-98.0	0.00	624.81	0.00	99.77
98.0-99.0	0.00	624.81	0.00	99.77
99.0-100.0	0.00	624.81	0.00	99.77
100.0-101.0	0.00	624.81	0.00	99.77
101.0-102.0	0.00	624.81	0.00	99.77
102.0-103.0	0.00	624.81	0.00	99.77
103.0-104.0	0.00	624.81	0.00	99.77
104.0-105.0	0.00	624.81	0.00	99.77
105.0-106.0	0.00	624.81	0.00	99.77
106.0-107.0	0.00	624.81	0.00	99.77
107.0-108.0	0.00	624.81	0.00	99.77
108.0-109.0	0.00	624.81	0.00	99.77
109.0-110.0	0.00	624.81	0.00	99.77
110.0-111.0	0.00	624.81	0.00	99.77
111.0-112.0	0.00	624.81	0.00	99.77
112.0-113.0	0.00	624.81	0.00	99.77
113.0-114.0	0.00	624.81	0.00	99.77
114.0-115.0	0.00	624.81	0.00	99.77
115.0-116.0	0.00	624.81	0.00	99.77
116.0-117.0	0.00	624.81	0.00	99.77
117.0-118.0	0.00	624.81	0.00	99.77
118.0-119.0	0.00	624.81	0.00	99.77
119.0-120.0	0.00	624.81	0.00	99.77
120.0-121.0	0.00	624.81	0.00	99.77
121.0-122.0	0.00	624.81	0.00	99.77
122.0-123.0	0.00	624.81	0.00	99.77
123.0-124.0	0.00	624.81	0.00	99.77
124.0-125.0	0.00	624.81	0.00	99.77
125.0-126.0	0.00	624.81	0.00	99.77
126.0-127.0	0.00	624.81	0.00	99.77
127.0-128.0	0.00	624.81	0.00	99.77
128.0-129.0	0.00	624.81	0.00	99.77
129.0-130.0	0.00	624.81	0.00	99.77
130.0-131.0	0.00	624.81	0.00	99.77
131.0-132.0	0.00	624.81	0.00	99.77
132.0-133.0	0.00	624.81	0.00	99.77
133.0-134.0	0.00	624.81	0.00	99.77
134.0-135.0	0.00	624.81	0.00	99.77
135.0-136.0	0.00	624.81	0.00	99.77
136.0-137.0	0.00	624.81	0.00	99.77
137.0-138.0	0.00	624.81	0.00	99.77
138.0-139.0	0.00	624.82	0.00	99.77
139.0-140.0	0.01	624.82	0.00	99.78
140.0-141.0	0.01	624.83	0.00	99.78

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
141.0-142.0	0.01	624.85	0.00	99.78
142.0-143.0	0.02	624.86	0.00	99.78
143.0-144.0	0.02	624.88	0.00	99.79
144.0-145.0	0.02	624.91	0.00	99.79
145.0-146.0	0.03	624.94	0.00	99.79
146.0-147.0	0.03	624.97	0.01	99.80
147.0-148.0	0.04	625.01	0.01	99.80
148.0-149.0	0.04	625.05	0.01	99.81
149.0-150.0	0.04	625.09	0.01	99.82
150.0-151.0	0.04	625.13	0.01	99.82
151.0-152.0	0.05	625.18	0.01	99.83
152.0-153.0	0.05	625.23	0.01	99.84
153.0-154.0	0.05	625.28	0.01	99.85
154.0-155.0	0.05	625.33	0.01	99.86
155.0-156.0	0.05	625.38	0.01	99.86
156.0-157.0	0.05	625.43	0.01	99.87
157.0-158.0	0.05	625.48	0.01	99.88
158.0-159.0	0.05	625.54	0.01	99.89
159.0-160.0	0.05	625.59	0.01	99.90
160.0-161.0	0.05	625.64	0.01	99.91
161.0-162.0	0.05	625.69	0.01	99.91
162.0-163.0	0.05	625.74	0.01	99.92
163.0-164.0	0.05	625.79	0.01	99.93
164.0-165.0	0.05	625.83	0.01	99.94
165.0-166.0	0.05	625.88	0.01	99.94
166.0-167.0	0.04	625.92	0.01	99.95
167.0-168.0	0.04	625.97	0.01	99.96
168.0-169.0	0.04	626.00	0.01	99.96
169.0-170.0	0.04	626.04	0.01	99.97
170.0-171.0	0.03	626.07	0.01	99.98
171.0-172.0	0.03	626.11	0.00	99.98
172.0-173.0	0.03	626.13	0.00	99.98
173.0-174.0	0.02	626.16	0.00	99.99
174.0-175.0	0.02	626.18	0.00	99.99
175.0-176.0	0.02	626.20	0.00	99.99
176.0-177.0	0.01	626.21	0.00	100.00
177.0-178.0	0.01	626.22	0.00	100.00
178.0-179.0	0.01	626.23	0.00	100.00
179.0-180.0	0.00	626.23	0.00	100.00

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02



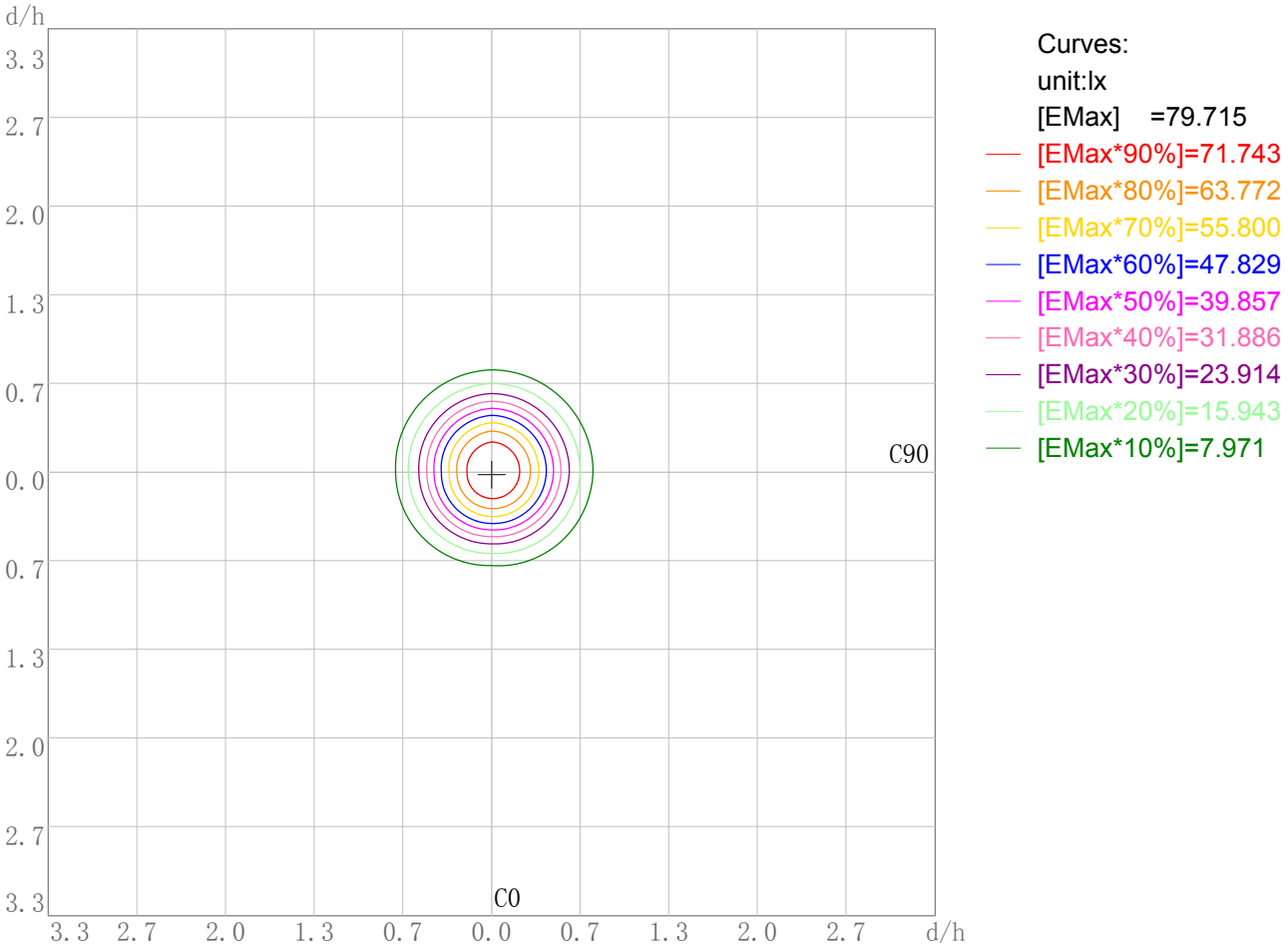
Maximum Light Intensity(cd): 718.45
Maximum Cand.@Angle: H=0.0°,V=2.0°

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Plane ISO-Illuminance Diagram

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

Plane ISO-Illuminance Curve



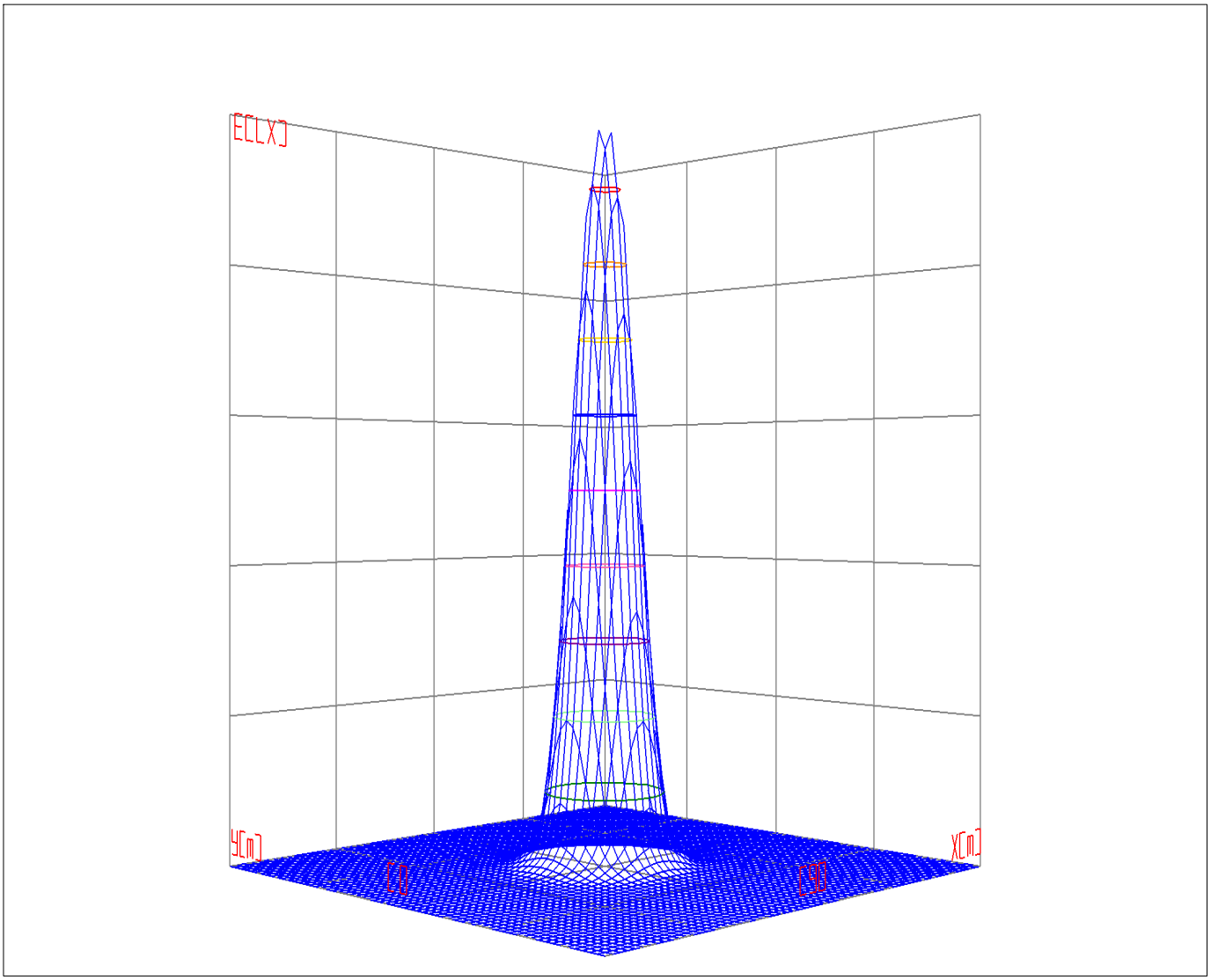
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 79.71
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

3D Plane Illuminance Modal



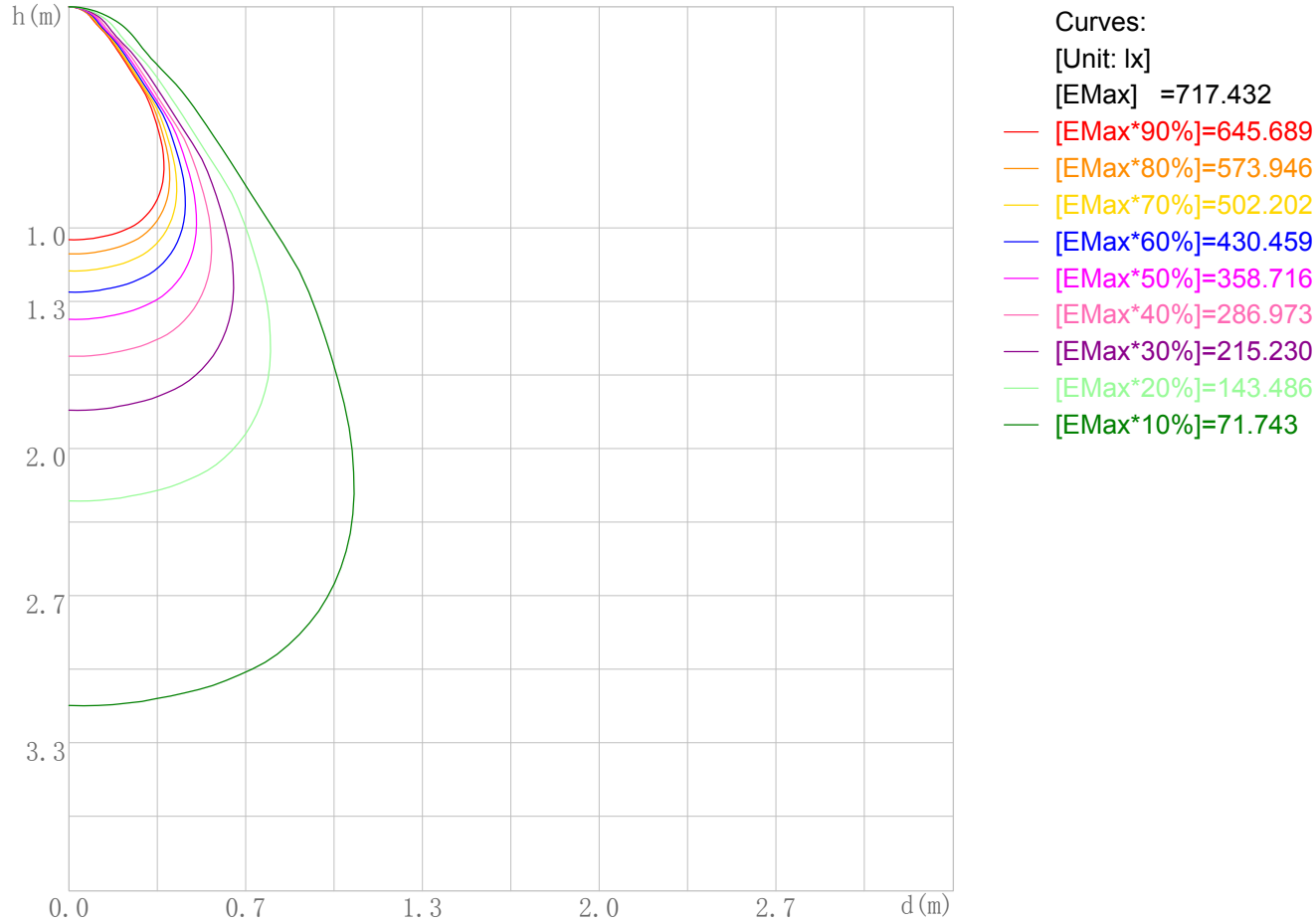
Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Space ISO Illuminance Diagram

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

Space ISO Illuminance Curve

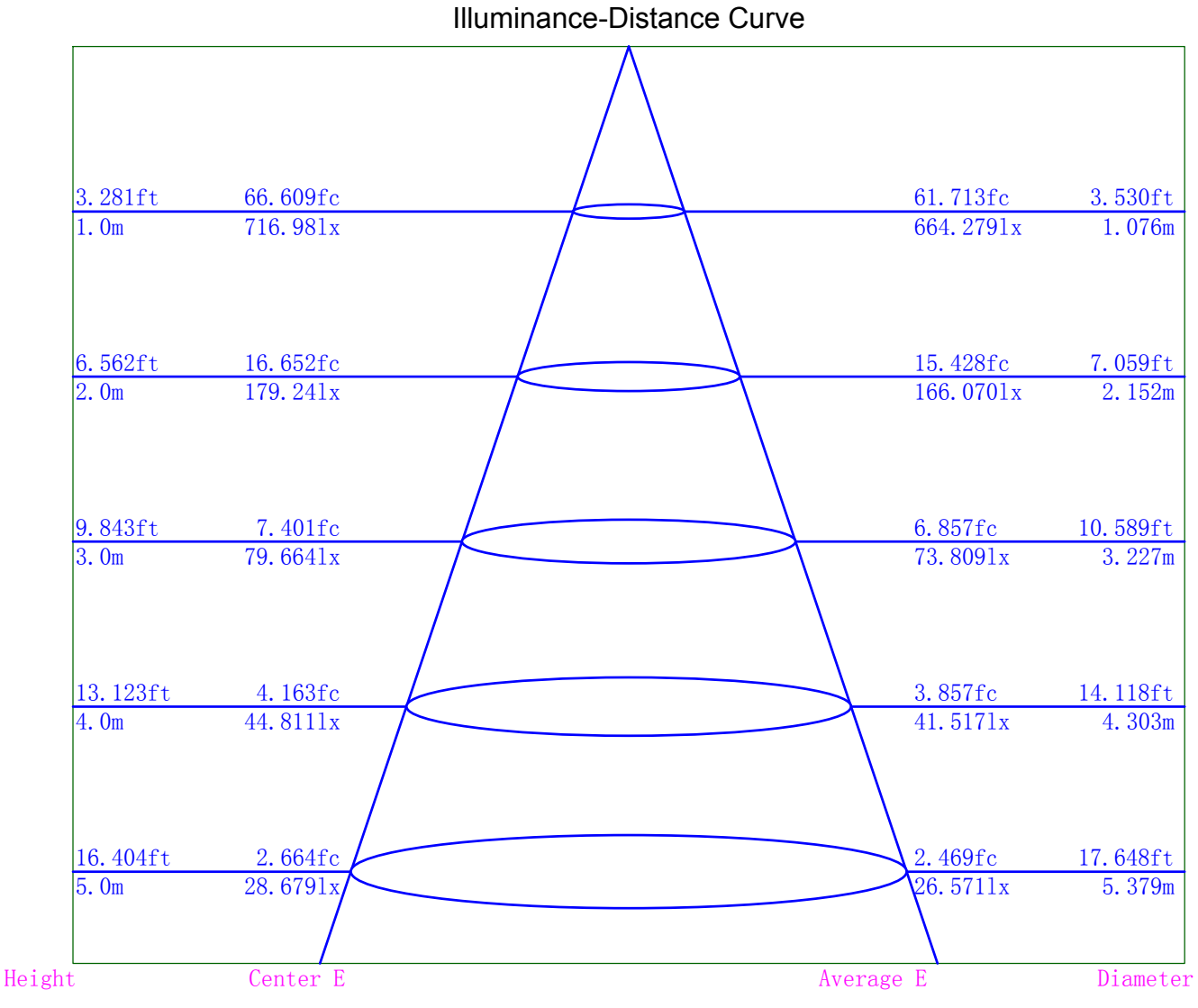


Space Plane Maximum Illuminance and @Angle:717.43lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:718.232cd,0eg

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Illuminance-Distance Diagram

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02



HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Indoor Luminance Limiting Curves

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

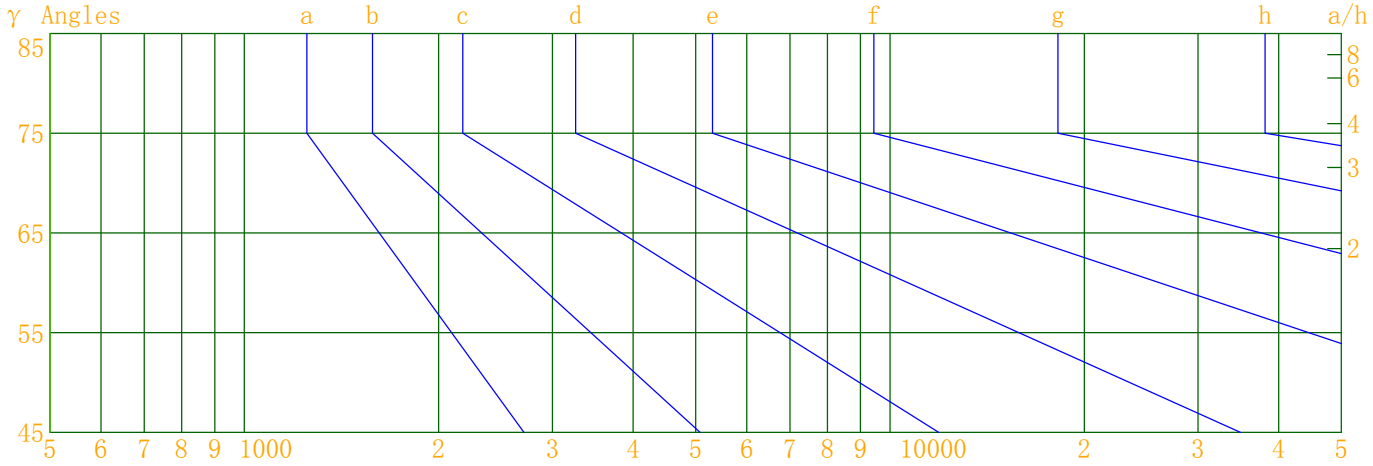
Glare Grade Table

GI	Quality	Using Illuminace							
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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve

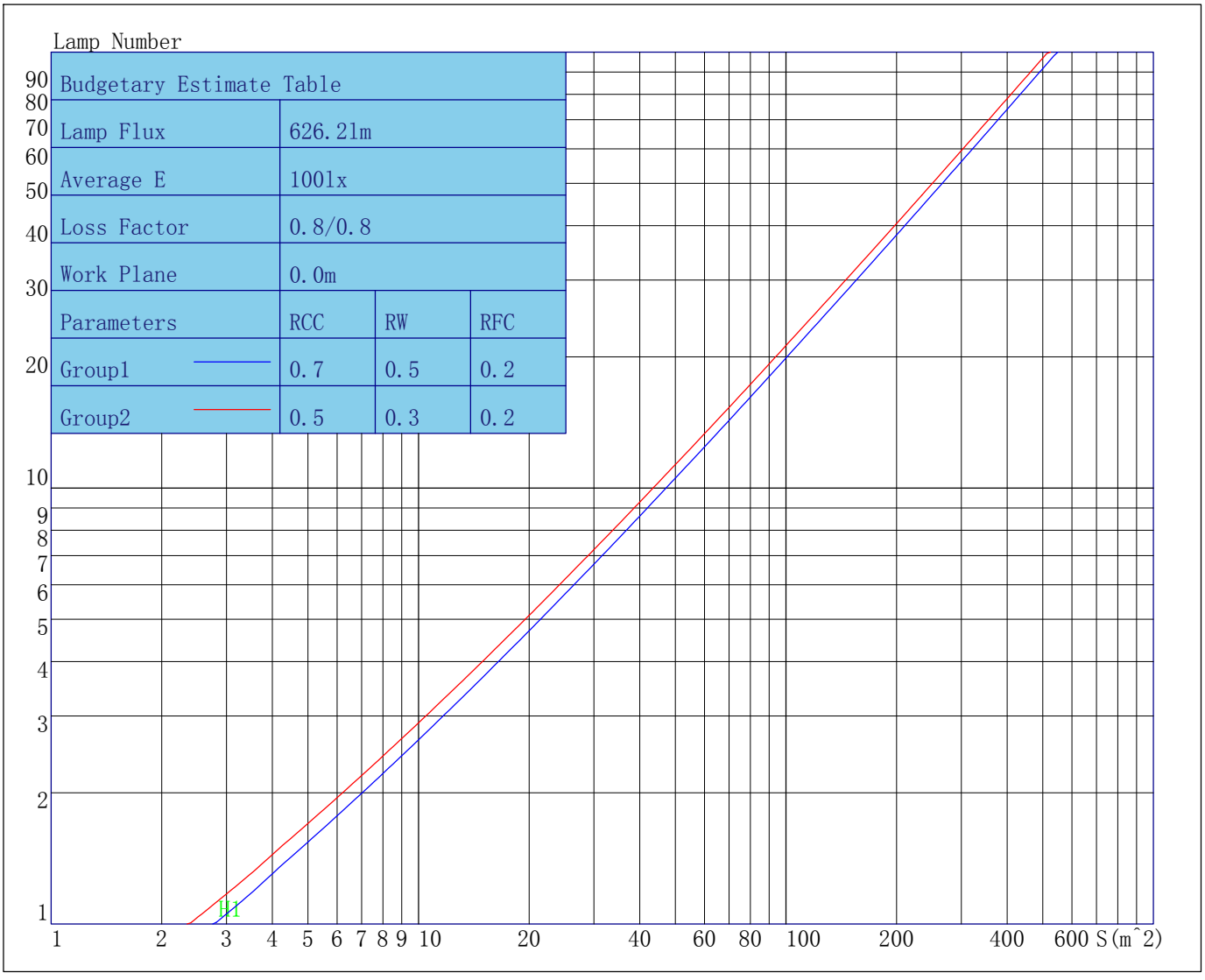


Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Indoor Budgetary Estimate Table

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02



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

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Indoor Coefficient of Utilization Table

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

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	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	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	87	79	72	68	86	78	72	68	76	71	67	75	70	67	73	70	67	65
7	83	74	68	64	82	73	68	63	72	67	63	71	66	63	70	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel：02 9381 8383
E-mail:sales@havitcommercial.com.au

Unified Glare Rating Table

Lum.Name: HCP-1022122+HCP-1032122 5700K 60D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/12/02

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	-2.5	-1.5	-2.2	-1.2	-0.9	-2.5	-1.5	-2.2	-1.2	-0.9
	Y=3H	-2.8	-1.9	-2.4	-1.5	-1.1	-2.8	-1.9	-2.4	-1.5	-1.1
	Y=4H	-2.9	-2.0	-2.4	-1.7	-1.3	-2.9	-2.0	-2.4	-1.7	-1.3
	Y=6H	-3.0	-2.2	-2.5	-1.8	-1.4	-3.0	-2.2	-2.5	-1.8	-1.4
	Y=8H	-3.0	-2.3	-2.6	-1.9	-1.5	-3.0	-2.3	-2.6	-1.9	-1.5
	Y=12H	-3.1	-2.4	-2.6	-2.0	-1.6	-3.1	-2.4	-2.6	-2.0	-1.6
X=4H	Y=2H	-2.9	-2.0	-2.4	-1.7	-1.3	-2.9	-2.0	-2.4	-1.7	-1.3
	Y=3H	-3.1	-2.4	-2.6	-2.0	-1.6	-3.1	-2.4	-2.6	-2.0	-1.6
	Y=4H	-3.2	-2.6	-2.7	-2.1	-1.7	-3.2	-2.6	-2.7	-2.1	-1.7
	Y=6H	-3.3	-2.8	-2.8	-2.3	-1.8	-3.3	-2.8	-2.8	-2.3	-1.8
	Y=8H	-3.4	-2.9	-2.9	-2.4	-1.9	-3.4	-2.9	-2.9	-2.4	-1.9
	Y=12H	-3.4	-3.0	-2.9	-2.5	-2.0	-3.4	-3.0	-2.9	-2.5	-2.0
X=8H	Y=4H	-3.4	-2.9	-2.9	-2.4	-1.9	-3.4	-2.9	-2.9	-2.4	-1.9
	Y=6H	-3.5	-3.1	-3.0	-2.6	-2.1	-3.5	-3.1	-3.0	-2.6	-2.1
	Y=8H	-3.6	-3.2	-3.0	-2.7	-2.2	-3.6	-3.2	-3.0	-2.7	-2.2
	Y=12H	-3.6	-3.3	-3.1	-2.8	-2.2	-3.6	-3.3	-3.1	-2.8	-2.2
X=12H	Y=4H	-3.4	-3.0	-2.9	-2.5	-2.0	-3.4	-3.0	-2.9	-2.5	-2.0
	Y=6H	-3.6	-3.2	-3.0	-2.7	-2.2	-3.6	-3.2	-3.0	-2.7	-2.2
	Y=8H	-3.6	-3.3	-3.1	-2.8	-2.2	-3.6	-3.3	-3.1	-2.8	-2.2
Variations with the objerver 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		0.0/0.0					0.0/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.0					0.0				

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	716.98	716.98	716.98	716.98
γ 1.0	717.76	717.75	716.91	716.21
γ 2.0	718.23	718.45	715.99	714.59
γ 3.0	718.16	718.18	714.68	712.98
γ 4.0	717.32	716.73	713.13	710.37
γ 5.0	716.84	714.98	710.61	706.99
γ 6.0	714.59	712.83	707.54	704.09
γ 7.0	713.65	710.62	704.27	699.84
γ 8.0	711.86	708.41	700.66	695.27
γ 9.0	710.34	704.07	696.78	689.90
γ 10.0	708.33	699.51	691.78	683.35
γ 11.0	704.61	694.77	685.21	674.95
γ 12.0	700.34	687.84	676.81	665.25
γ 13.0	696.14	680.31	667.04	654.68
γ 14.0	690.65	672.20	655.53	642.74
γ 15.0	682.92	662.76	642.90	628.92
γ 16.0	673.04	650.84	628.70	612.95
γ 17.0	661.70	637.01	612.44	595.13
γ 18.0	648.49	622.18	594.80	577.54
γ 19.0	634.45	606.56	575.29	559.83
γ 20.0	617.71	589.27	554.00	540.97
γ 21.0	599.50	570.39	530.38	520.84
γ 22.0	579.52	550.34	505.30	498.80
γ 23.0	557.64	528.61	475.59	475.71
γ 24.0	533.92	505.14	448.21	449.95
γ 25.0	507.70	478.26	417.26	422.59
γ 26.0	479.94	452.48	387.51	394.82
γ 27.0	449.76	423.46	355.62	366.18
γ 28.0	420.13	396.40	322.95	336.72
γ 29.0	389.46	367.90	292.17	310.57
γ 30.0	356.66	340.48	264.26	285.16
γ 31.0	324.59	313.33	238.46	260.12
γ 32.0	294.29	287.30	215.20	236.77
γ 33.0	266.94	263.27	190.84	214.67
γ 34.0	241.66	240.44	158.34	189.96
γ 35.0	217.71	216.04	130.88	158.71
γ 36.0	193.21	180.88	110.50	130.31
γ 37.0	161.41	149.31	95.40	108.88
γ 38.0	131.71	123.82	83.30	93.94
γ 39.0	110.07	103.24	73.04	81.93
γ 40.0	94.58	88.59	63.37	71.95
γ 41.0	81.95	76.76	54.81	63.50
γ 42.0	71.36	66.14	47.48	55.75
γ 43.0	62.46	57.07	41.43	48.51
γ 44.0	55.55	49.15	36.02	42.56
γ 45.0	49.54	42.27	31.16	36.91
γ 46.0	44.40	36.81	26.30	31.78

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	39.71	31.76	21.93	27.12
γ 48.0	35.35	26.65	17.46	22.21
γ 49.0	31.24	22.38	14.73	18.77
γ 50.0	26.48	18.36	13.03	16.53
γ 51.0	22.82	16.40	11.89	14.77
γ 52.0	20.14	15.06	11.03	13.72
γ 53.0	17.87	13.94	10.47	12.83
γ 54.0	16.61	13.24	10.01	12.14
γ 55.0	15.33	12.53	9.63	11.67
γ 56.0	14.29	11.97	9.30	11.26
γ 57.0	13.62	11.50	9.01	10.90
γ 58.0	12.99	11.03	8.74	10.57
γ 59.0	12.44	10.60	8.48	10.27
γ 60.0	11.95	10.19	8.21	9.97
γ 61.0	11.48	9.77	7.93	9.64
γ 62.0	11.03	9.35	7.65	9.33
γ 63.0	10.58	8.94	7.38	9.01
γ 64.0	10.15	8.53	7.06	8.70
γ 65.0	9.72	8.13	6.71	8.32
γ 66.0	9.31	7.73	6.33	7.92
γ 67.0	8.88	7.30	5.94	7.50
γ 68.0	8.42	6.84	5.58	7.09
γ 69.0	7.93	6.37	5.21	6.70
γ 70.0	7.44	5.93	4.87	6.31
γ 71.0	6.99	5.50	4.51	5.92
γ 72.0	6.53	5.11	4.17	5.53
γ 73.0	6.11	4.71	3.82	5.16
γ 74.0	5.68	4.33	3.49	4.78
γ 75.0	5.27	3.96	3.17	4.40
γ 76.0	4.88	3.60	2.84	4.05
γ 77.0	4.48	3.27	2.52	3.68
γ 78.0	4.11	2.92	2.20	3.33
γ 79.0	3.73	2.58	1.89	2.99
γ 80.0	3.38	2.25	1.57	2.63
γ 81.0	3.03	1.93	1.27	2.22
γ 82.0	2.66	1.61	0.98	1.48
γ 83.0	2.32	1.30	0.68	1.11
γ 84.0	1.99	1.00	0.39	0.91
γ 85.0	1.66	0.71	0.12	0.71
γ 86.0	1.33	0.40	0.00	0.52
γ 87.0	1.03	0.12	0.00	0.31
γ 88.0	0.70	0.00	0.00	0.03
γ 89.0	0.40	0.00	0.00	0.00
γ 90.0	0.11	0.00	0.00	0.00
γ 91.0	0.00	0.00	0.00	0.00
γ 92.0	0.00	0.00	0.00	0.00
γ 93.0	0.00	0.00	0.00	0.00

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.00	0.00	0.00	0.00
γ 95.0	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00
γ 97.0	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00
γ 99.0	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 101.0	0.00	0.00	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00
γ 103.0	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00
γ 123.0	0.00	0.00	0.00	0.00
γ 124.0	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00
γ 126.0	0.00	0.00	0.00	0.00
γ 127.0	0.00	0.00	0.00	0.00
γ 128.0	0.00	0.00	0.00	0.00
γ 129.0	0.00	0.00	0.00	0.00
γ 130.0	0.00	0.00	0.00	0.00
γ 131.0	0.00	0.00	0.00	0.00
γ 132.0	0.00	0.00	0.00	0.00
γ 133.0	0.00	0.00	0.00	0.00
γ 134.0	0.00	0.00	0.00	0.00
γ 135.0	0.00	0.00	0.00	0.00
γ 136.0	0.00	0.00	0.00	0.00
γ 137.0	0.00	0.00	0.00	0.06
γ 138.0	0.00	0.00	0.05	0.13
γ 139.0	0.00	0.00	0.13	0.21
γ 140.0	0.00	0.00	0.21	0.29

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	0.02	0.00	0.28	0.35
γ 142.0	0.08	0.00	0.37	0.42
γ 143.0	0.16	0.00	0.44	0.50
γ 144.0	0.24	0.09	0.52	0.57
γ 145.0	0.31	0.17	0.59	0.64
γ 146.0	0.38	0.24	0.68	0.71
γ 147.0	0.46	0.32	0.75	0.78
γ 148.0	0.53	0.39	0.81	0.86
γ 149.0	0.61	0.47	0.90	0.92
γ 150.0	0.68	0.54	0.95	0.98
γ 151.0	0.75	0.61	1.02	1.04
γ 152.0	0.82	0.67	1.08	1.10
γ 153.0	0.88	0.75	1.14	1.17
γ 154.0	0.94	0.82	1.20	1.21
γ 155.0	1.01	0.88	1.25	1.27
γ 156.0	1.08	0.93	1.30	1.32
γ 157.0	1.13	1.00	1.37	1.37
γ 158.0	1.18	1.06	1.41	1.42
γ 159.0	1.25	1.12	1.47	1.48
γ 160.0	1.30	1.18	1.52	1.52
γ 161.0	1.35	1.24	1.56	1.57
γ 162.0	1.41	1.28	1.61	1.62
γ 163.0	1.46	1.35	1.65	1.67
γ 164.0	1.52	1.40	1.71	1.72
γ 165.0	1.55	1.45	1.75	1.76
γ 166.0	1.62	1.50	1.78	1.80
γ 167.0	1.66	1.56	1.84	1.85
γ 168.0	1.72	1.61	1.87	1.87
γ 169.0	1.77	1.65	1.91	1.91
γ 170.0	1.82	1.71	1.95	1.95
γ 171.0	1.87	1.75	1.98	1.99
γ 172.0	1.91	1.80	2.02	2.01
γ 173.0	1.95	1.83	2.04	2.04
γ 174.0	1.99	1.87	2.05	2.07
γ 175.0	2.02	1.91	2.09	2.09
γ 176.0	2.06	1.95	2.11	2.12
γ 177.0	2.08	1.97	2.12	2.13
γ 178.0	2.10	2.00	2.12	2.13
γ 179.0	2.13	2.02	2.13	2.14
γ 180.0	2.11	2.11	2.11	2.11