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

Indoor Luminaire Photometric Data

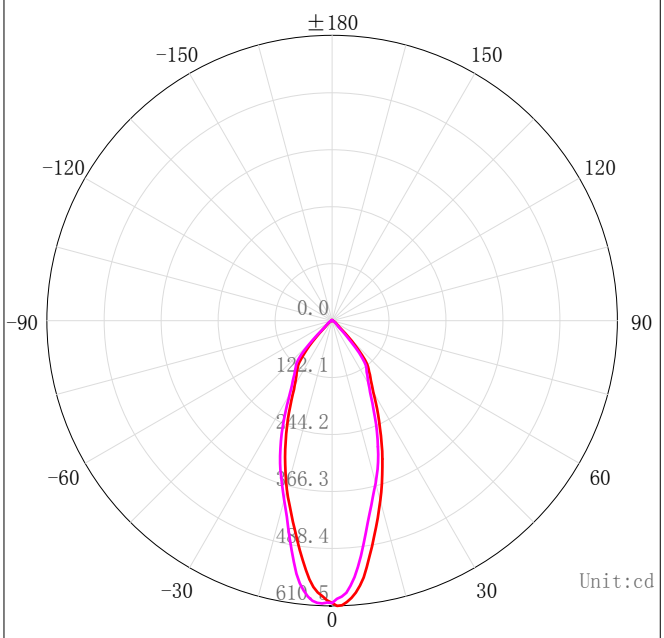
Description Information

Luminary Name: HCP-806024-5700K RA90 40D		Lum. Catelog:	Test ID: 01
Lamp Name:		Lamp Catelog: LED	Test Date: 2020/09/15
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*0.062m		Lum.Area(m2):0.016	Lum.W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp.(℃): 25	Humidity(%): 50.0

Character Parameter

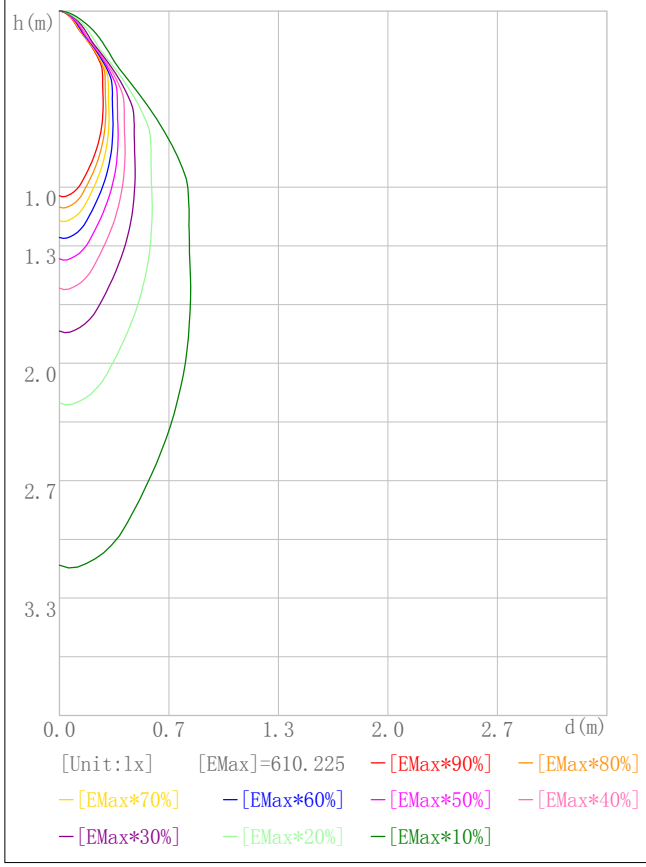
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 400.650	Luminary Flux(lm): 400.652	Field Angle(10%Imax): 87.0(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 399.842lm 99.80%
Rated Voltage(V):	Luminary EER(lm/W): 78.436	Up Lumens&Percent: 0.810lm 0.20%
Tested Power(W): 5.108	Max.Candela(cd): 610.504	S/MH: C0_a180=0.623 C90_270=0.619
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):240.3,0.025,0.824	Beam Angle(50%Imax): 39.8(°)	ErP Φuse(90°): 366.666lm
Lamp Size(W*L*H):0.050m*0.000m*0.062m	Left=-19.2° ,Right=20.6°	IRF(%): 322.301

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]
C0.0_180.0 :	39.8	87.0
C90.0_270.0 :	40.5	86.8

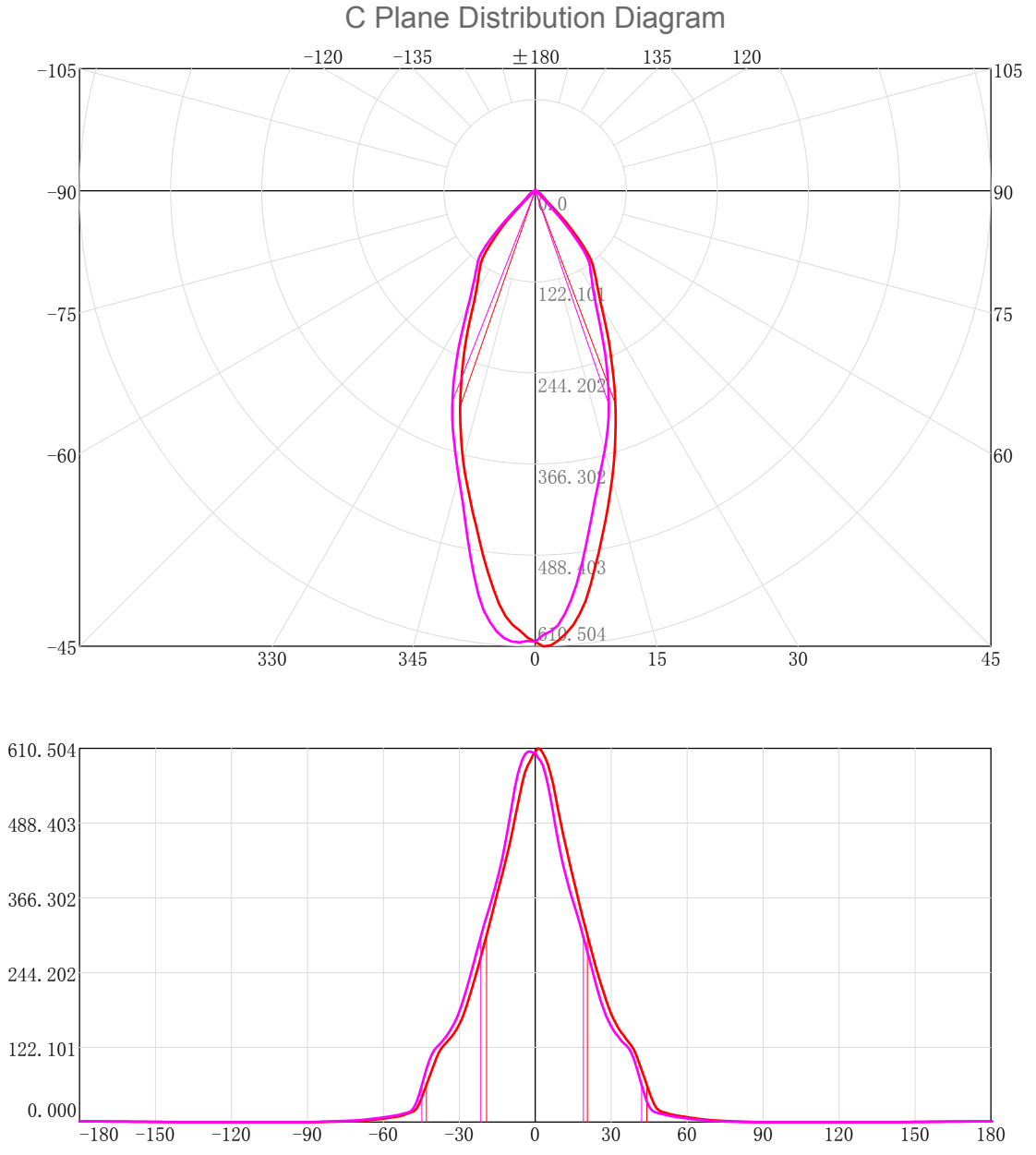
C0 Space ISO Illuminance Curve



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-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15



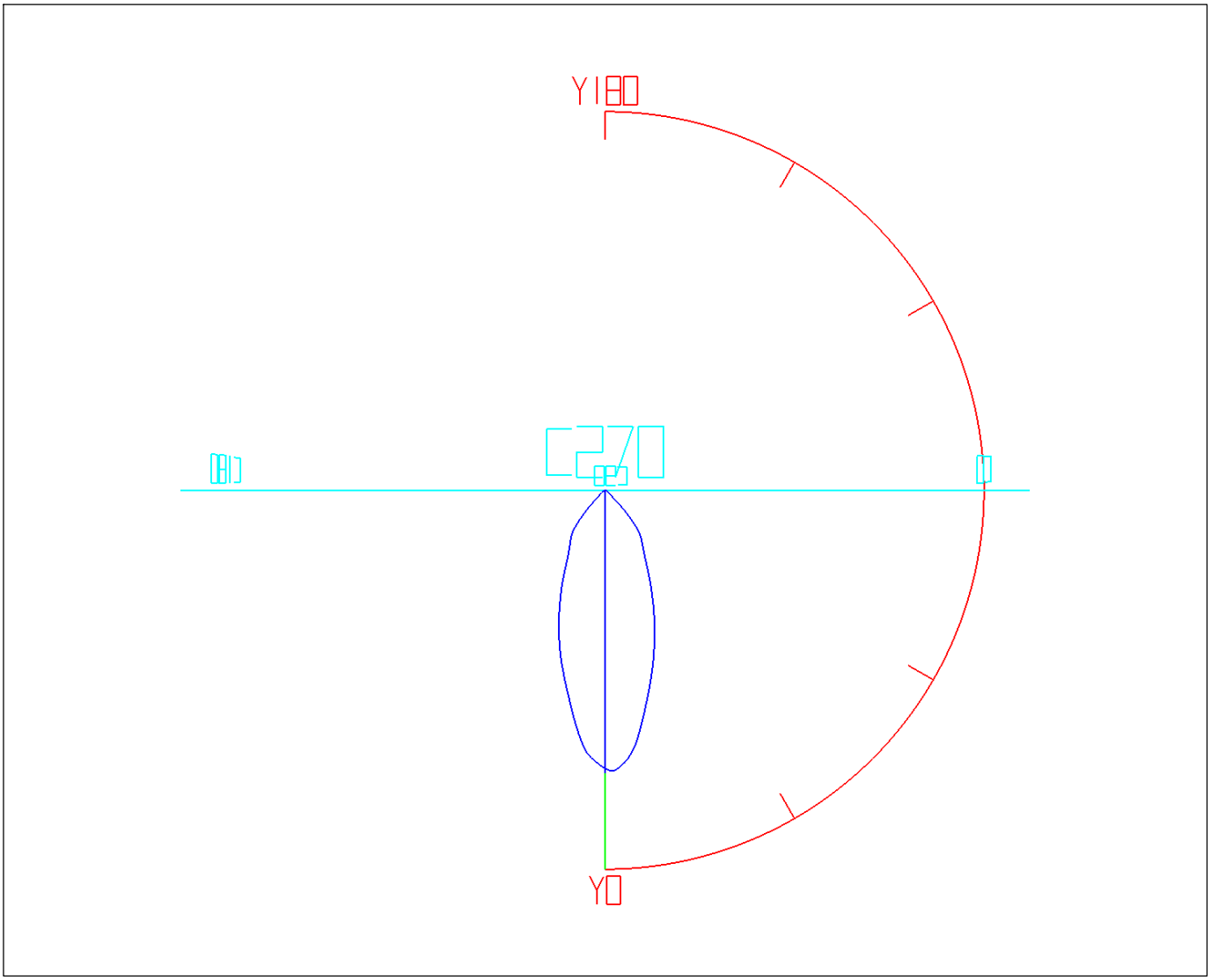
C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C0.0_180.0 :	39.8	87.0	
C90.0_270.0 :	40.5	86.8	

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-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

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	0.58	0.58	0.14	0.14	47.0-48.0	1.80	380.98	0.45	95.09
1.0-2.0	1.72	2.30	0.43	0.57	48.0-49.0	1.51	382.49	0.38	95.47
2.0-3.0	2.85	5.15	0.71	1.29	49.0-50.0	1.35	383.84	0.34	95.80
3.0-4.0	3.94	9.09	0.98	2.27	50.0-51.0	1.24	385.08	0.31	96.11
4.0-5.0	4.97	14.06	1.24	3.51	51.0-52.0	1.16	386.24	0.29	96.40
5.0-6.0	5.91	19.97	1.48	4.99	52.0-53.0	1.07	387.32	0.27	96.67
6.0-7.0	6.77	26.74	1.69	6.67	53.0-54.0	1.00	388.31	0.25	96.92
7.0-8.0	7.52	34.26	1.88	8.55	54.0-55.0	0.93	389.24	0.23	97.15
8.0-9.0	8.16	42.42	2.04	10.59	55.0-56.0	0.88	390.13	0.22	97.37
9.0-10.0	8.72	51.14	2.18	12.77	56.0-57.0	0.83	390.96	0.21	97.58
10.0-11.0	9.22	60.36	2.30	15.07	57.0-58.0	0.78	391.74	0.20	97.78
11.0-12.0	9.66	70.02	2.41	17.48	58.0-59.0	0.74	392.48	0.18	97.96
12.0-13.0	10.04	80.06	2.51	19.98	59.0-60.0	0.69	393.17	0.17	98.13
13.0-14.0	10.39	90.45	2.59	22.58	60.0-61.0	0.64	393.81	0.16	98.29
14.0-15.0	10.71	101.16	2.67	25.25	61.0-62.0	0.60	394.41	0.15	98.44
15.0-16.0	10.97	112.13	2.74	27.99	62.0-63.0	0.55	394.97	0.14	98.58
16.0-17.0	11.17	123.30	2.79	30.78	63.0-64.0	0.51	395.47	0.13	98.71
17.0-18.0	11.32	134.62	2.83	33.60	64.0-65.0	0.46	395.93	0.11	98.82
18.0-19.0	11.41	146.03	2.85	36.45	65.0-66.0	0.42	396.35	0.10	98.93
19.0-20.0	11.44	157.47	2.86	39.30	66.0-67.0	0.38	396.72	0.09	99.02
20.0-21.0	11.41	168.89	2.85	42.15	67.0-68.0	0.34	397.06	0.08	99.10
21.0-22.0	11.33	180.21	2.83	44.98	68.0-69.0	0.31	397.37	0.08	99.18
22.0-23.0	11.18	191.40	2.79	47.77	69.0-70.0	0.28	397.65	0.07	99.25
23.0-24.0	10.99	202.39	2.74	50.51	70.0-71.0	0.26	397.91	0.06	99.32
24.0-25.0	10.75	213.14	2.68	53.20	71.0-72.0	0.24	398.14	0.06	99.37
25.0-26.0	10.49	223.62	2.62	55.82	72.0-73.0	0.22	398.36	0.05	99.43
26.0-27.0	10.19	233.82	2.54	58.36	73.0-74.0	0.20	398.56	0.05	99.48
27.0-28.0	9.89	243.71	2.47	60.83	74.0-75.0	0.18	398.74	0.04	99.52
28.0-29.0	9.60	253.31	2.40	63.23	75.0-76.0	0.16	398.90	0.04	99.56
29.0-30.0	9.35	262.66	2.33	65.56	76.0-77.0	0.15	399.05	0.04	99.60
30.0-31.0	9.13	271.79	2.28	67.84	77.0-78.0	0.13	399.18	0.03	99.63
31.0-32.0	8.95	280.75	2.23	70.07	78.0-79.0	0.12	399.30	0.03	99.66
32.0-33.0	8.81	289.56	2.20	72.27	79.0-80.0	0.11	399.41	0.03	99.69
33.0-34.0	8.68	298.24	2.17	74.44	80.0-81.0	0.09	399.50	0.02	99.71
34.0-35.0	8.56	306.81	2.14	76.58	81.0-82.0	0.08	399.58	0.02	99.73
35.0-36.0	8.46	315.26	2.11	78.69	82.0-83.0	0.07	399.65	0.02	99.75
36.0-37.0	8.34	323.61	2.08	80.77	83.0-84.0	0.06	399.71	0.01	99.76
37.0-38.0	8.17	331.78	2.04	82.81	84.0-85.0	0.04	399.75	0.01	99.78
38.0-39.0	7.90	339.68	1.97	84.78	85.0-86.0	0.03	399.79	0.01	99.78
39.0-40.0	7.48	347.16	1.87	86.65	86.0-87.0	0.02	399.81	0.01	99.79
40.0-41.0	6.90	354.07	1.72	88.37	87.0-88.0	0.02	399.83	0.00	99.79
41.0-42.0	6.21	360.28	1.55	89.92	88.0-89.0	0.01	399.84	0.00	99.80
42.0-43.0	5.42	365.70	1.35	91.28	89.0-90.0	0.00	399.84	0.00	99.80
43.0-44.0	4.57	370.27	1.14	92.42	90.0-91.0	0.00	399.84	0.00	99.80
44.0-45.0	3.72	373.98	0.93	93.34	91.0-92.0	0.00	399.84	0.00	99.80
45.0-46.0	2.93	376.91	0.73	94.08	92.0-93.0	0.00	399.84	0.00	99.80
46.0-47.0	2.27	379.18	0.57	94.64	93.0-94.0	0.00	399.84	0.00	99.80

Zonal Flux Tabulation - (Cont.)

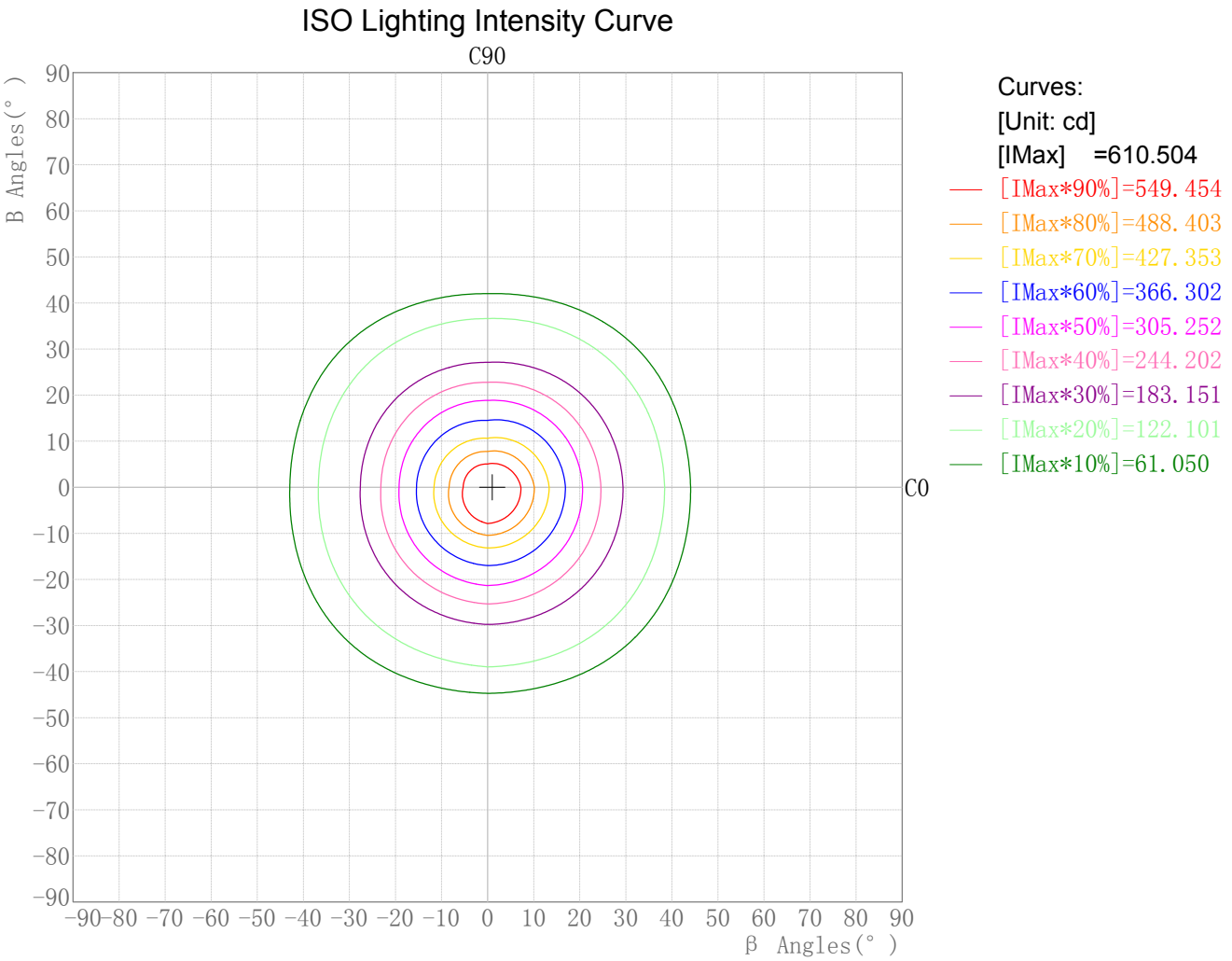
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	399.84	0.00	99.80
95.0-96.0	0.00	399.84	0.00	99.80
96.0-97.0	0.00	399.84	0.00	99.80
97.0-98.0	0.00	399.84	0.00	99.80
98.0-99.0	0.00	399.84	0.00	99.80
99.0-100.0	0.00	399.84	0.00	99.80
100.0-101.0	0.00	399.84	0.00	99.80
101.0-102.0	0.00	399.84	0.00	99.80
102.0-103.0	0.00	399.84	0.00	99.80
103.0-104.0	0.00	399.84	0.00	99.80
104.0-105.0	0.00	399.84	0.00	99.80
105.0-106.0	0.00	399.84	0.00	99.80
106.0-107.0	0.00	399.84	0.00	99.80
107.0-108.0	0.00	399.84	0.00	99.80
108.0-109.0	0.00	399.84	0.00	99.80
109.0-110.0	0.00	399.84	0.00	99.80
110.0-111.0	0.00	399.84	0.00	99.80
111.0-112.0	0.00	399.84	0.00	99.80
112.0-113.0	0.00	399.84	0.00	99.80
113.0-114.0	0.00	399.84	0.00	99.80
114.0-115.0	0.00	399.84	0.00	99.80
115.0-116.0	0.00	399.84	0.00	99.80
116.0-117.0	0.00	399.84	0.00	99.80
117.0-118.0	0.00	399.84	0.00	99.80
118.0-119.0	0.00	399.84	0.00	99.80
119.0-120.0	0.00	399.84	0.00	99.80
120.0-121.0	0.00	399.84	0.00	99.80
121.0-122.0	0.00	399.84	0.00	99.80
122.0-123.0	0.00	399.84	0.00	99.80
123.0-124.0	0.00	399.84	0.00	99.80
124.0-125.0	0.00	399.84	0.00	99.80
125.0-126.0	0.00	399.84	0.00	99.80
126.0-127.0	0.00	399.84	0.00	99.80
127.0-128.0	0.00	399.84	0.00	99.80
128.0-129.0	0.00	399.84	0.00	99.80
129.0-130.0	0.00	399.84	0.00	99.80
130.0-131.0	0.00	399.84	0.00	99.80
131.0-132.0	0.00	399.84	0.00	99.80
132.0-133.0	0.00	399.84	0.00	99.80
133.0-134.0	0.00	399.84	0.00	99.80
134.0-135.0	0.00	399.84	0.00	99.80
135.0-136.0	0.00	399.84	0.00	99.80
136.0-137.0	0.00	399.84	0.00	99.80
137.0-138.0	0.00	399.84	0.00	99.80
138.0-139.0	0.00	399.84	0.00	99.80
139.0-140.0	0.00	399.84	0.00	99.80
140.0-141.0	0.00	399.85	0.00	99.80

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
141.0-142.0	0.00	399.85	0.00	99.80
142.0-143.0	0.01	399.86	0.00	99.80
143.0-144.0	0.01	399.87	0.00	99.80
144.0-145.0	0.01	399.88	0.00	99.81
145.0-146.0	0.02	399.90	0.00	99.81
146.0-147.0	0.02	399.91	0.00	99.82
147.0-148.0	0.02	399.93	0.00	99.82
148.0-149.0	0.02	399.96	0.01	99.83
149.0-150.0	0.02	399.98	0.01	99.83
150.0-151.0	0.03	400.00	0.01	99.84
151.0-152.0	0.03	400.03	0.01	99.85
152.0-153.0	0.03	400.06	0.01	99.85
153.0-154.0	0.03	400.09	0.01	99.86
154.0-155.0	0.03	400.12	0.01	99.87
155.0-156.0	0.03	400.15	0.01	99.87
156.0-157.0	0.03	400.18	0.01	99.88
157.0-158.0	0.03	400.21	0.01	99.89
158.0-159.0	0.03	400.24	0.01	99.90
159.0-160.0	0.03	400.27	0.01	99.91
160.0-161.0	0.03	400.30	0.01	99.91
161.0-162.0	0.03	400.33	0.01	99.92
162.0-163.0	0.03	400.36	0.01	99.93
163.0-164.0	0.03	400.39	0.01	99.94
164.0-165.0	0.03	400.42	0.01	99.94
165.0-166.0	0.03	400.45	0.01	99.95
166.0-167.0	0.03	400.47	0.01	99.96
167.0-168.0	0.02	400.50	0.01	99.96
168.0-169.0	0.02	400.52	0.01	99.97
169.0-170.0	0.02	400.54	0.01	99.97
170.0-171.0	0.02	400.56	0.01	99.98
171.0-172.0	0.02	400.58	0.00	99.98
172.0-173.0	0.02	400.60	0.00	99.99
173.0-174.0	0.01	400.61	0.00	99.99
174.0-175.0	0.01	400.62	0.00	99.99
175.0-176.0	0.01	400.63	0.00	100.00
176.0-177.0	0.01	400.64	0.00	100.00
177.0-178.0	0.01	400.65	0.00	100.00
178.0-179.0	0.00	400.65	0.00	100.00
179.0-180.0	0.00	400.65	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-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15



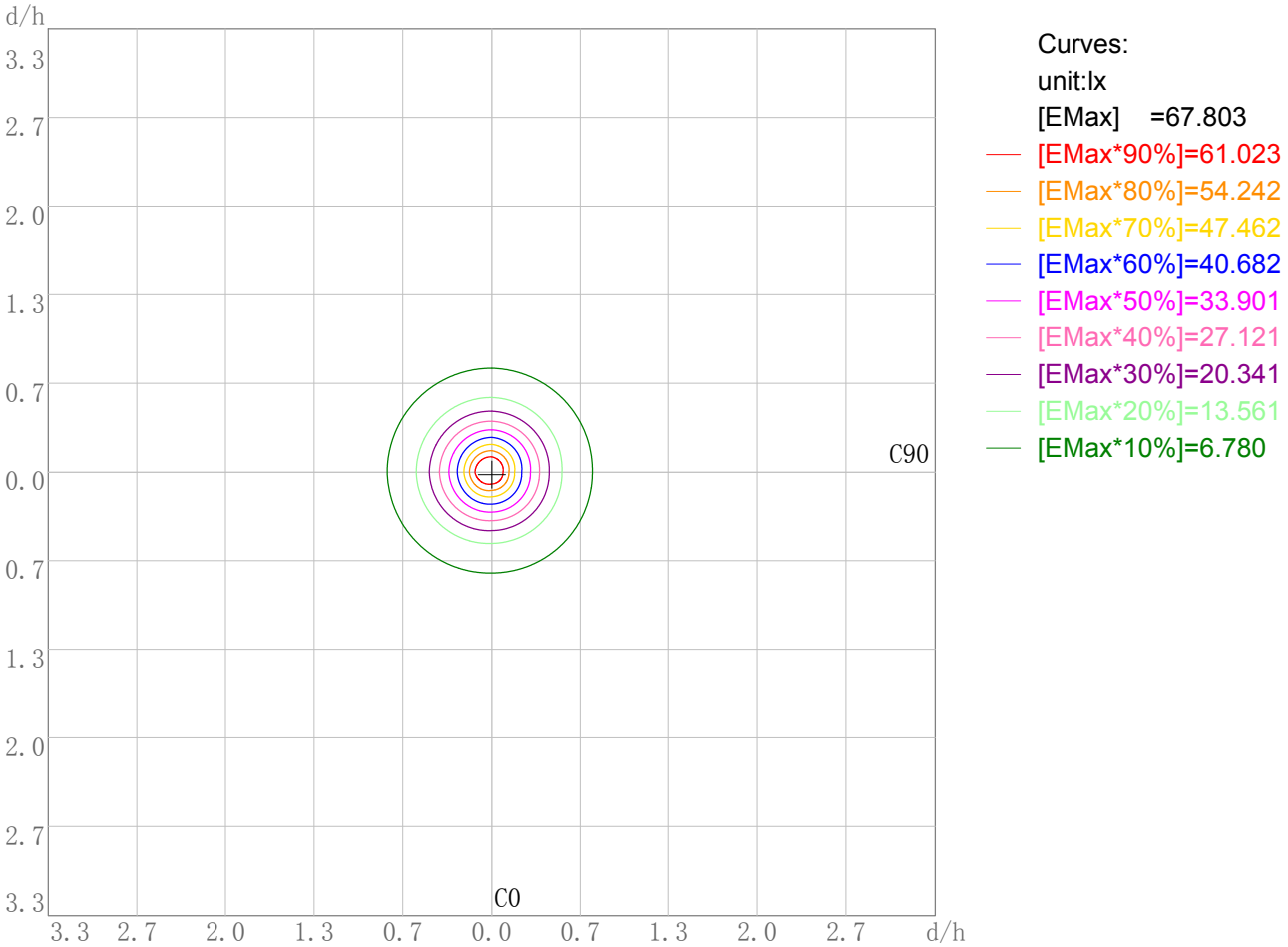
Maximum Light Intensity(cd): 610.50
Maximum Cand.@Angle: H=1.0°,V=0.0°

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

Plane ISO-Illuminance Diagram

Lum.Name: HCP-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

Plane ISO-Illuminance Curve



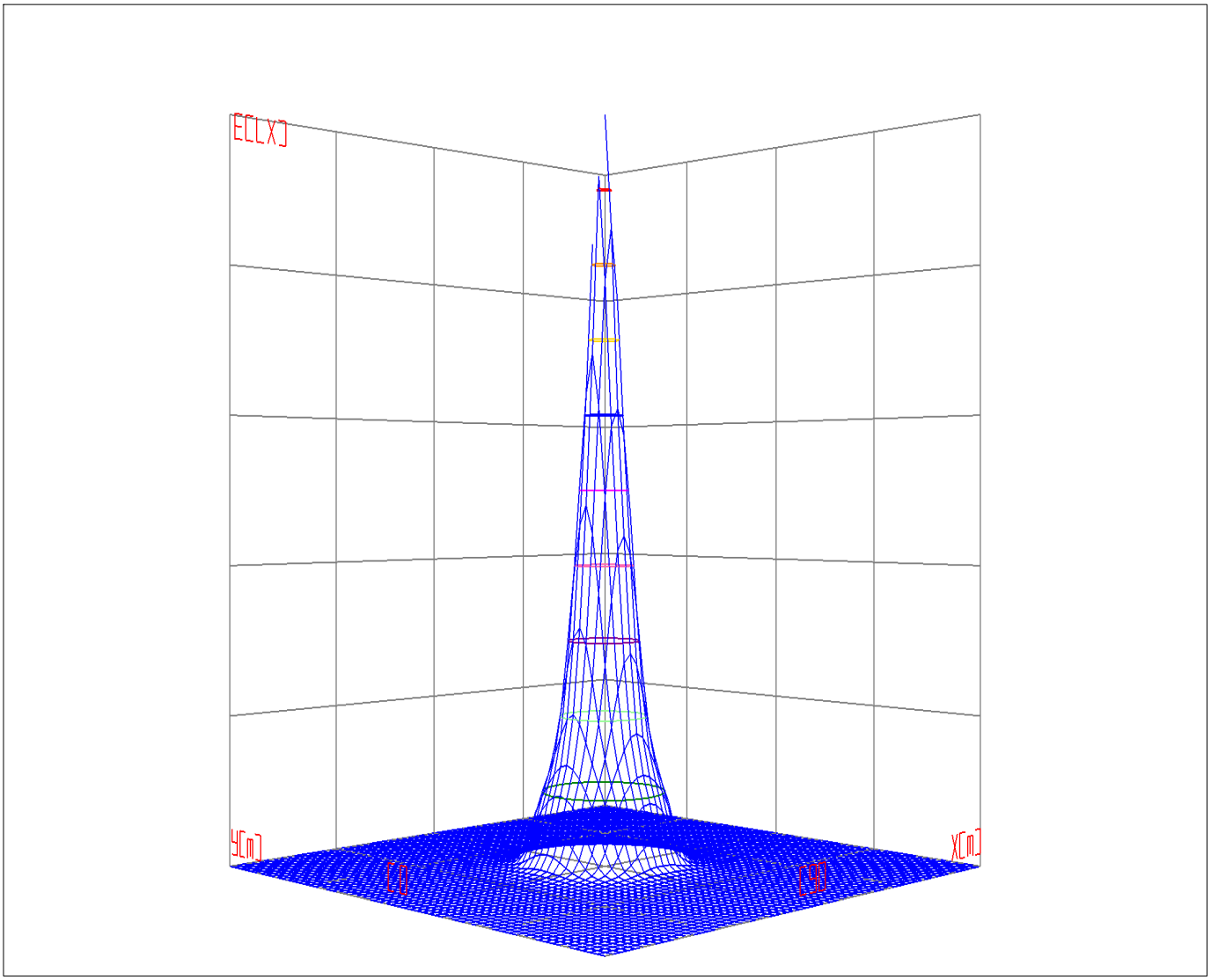
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 67.80
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

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-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

3D Plane Illuminance Modal



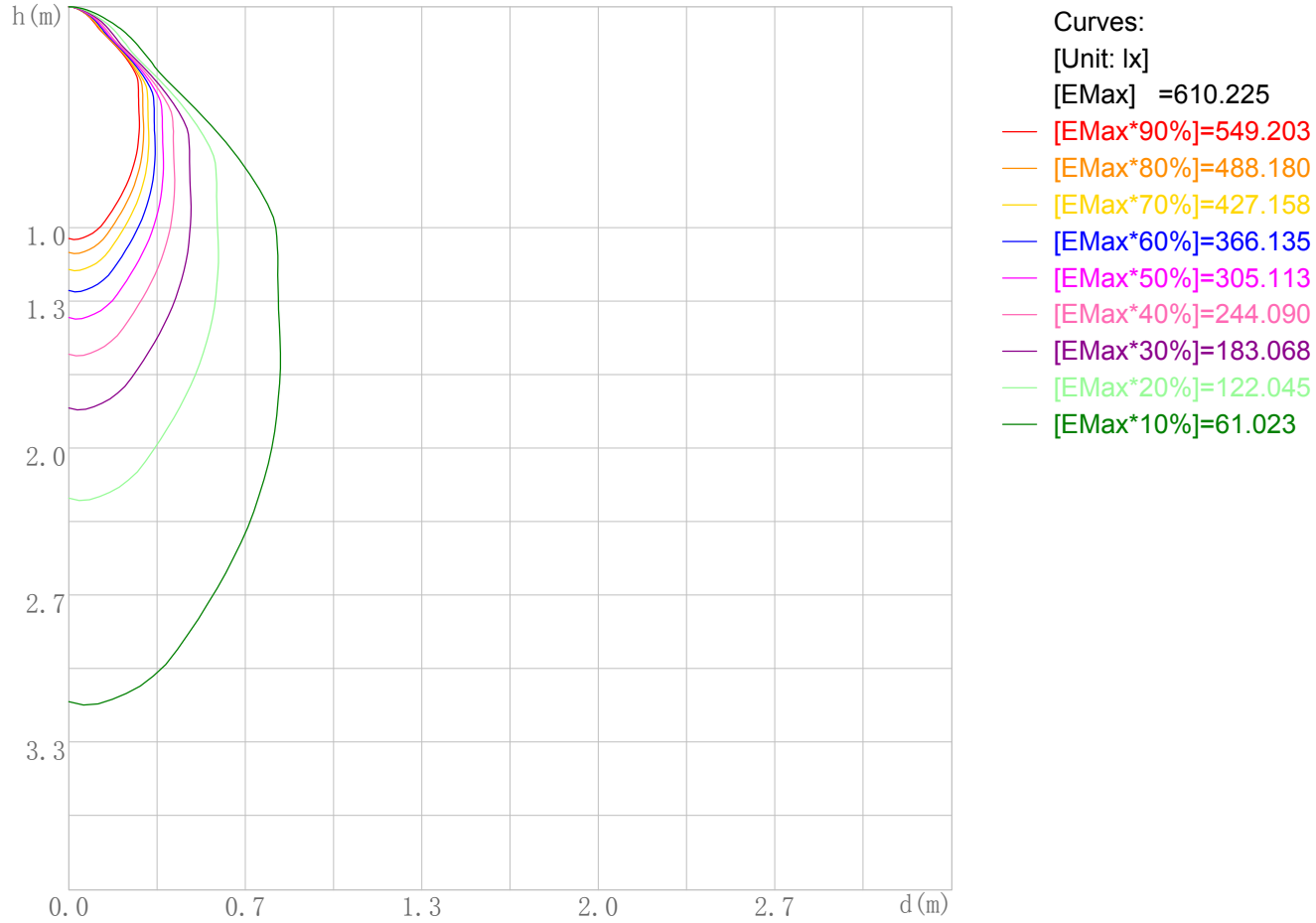
Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

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

Space ISO Illuminance Diagram

Lum.Name: HCP-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

Space ISO Illuminance Curve

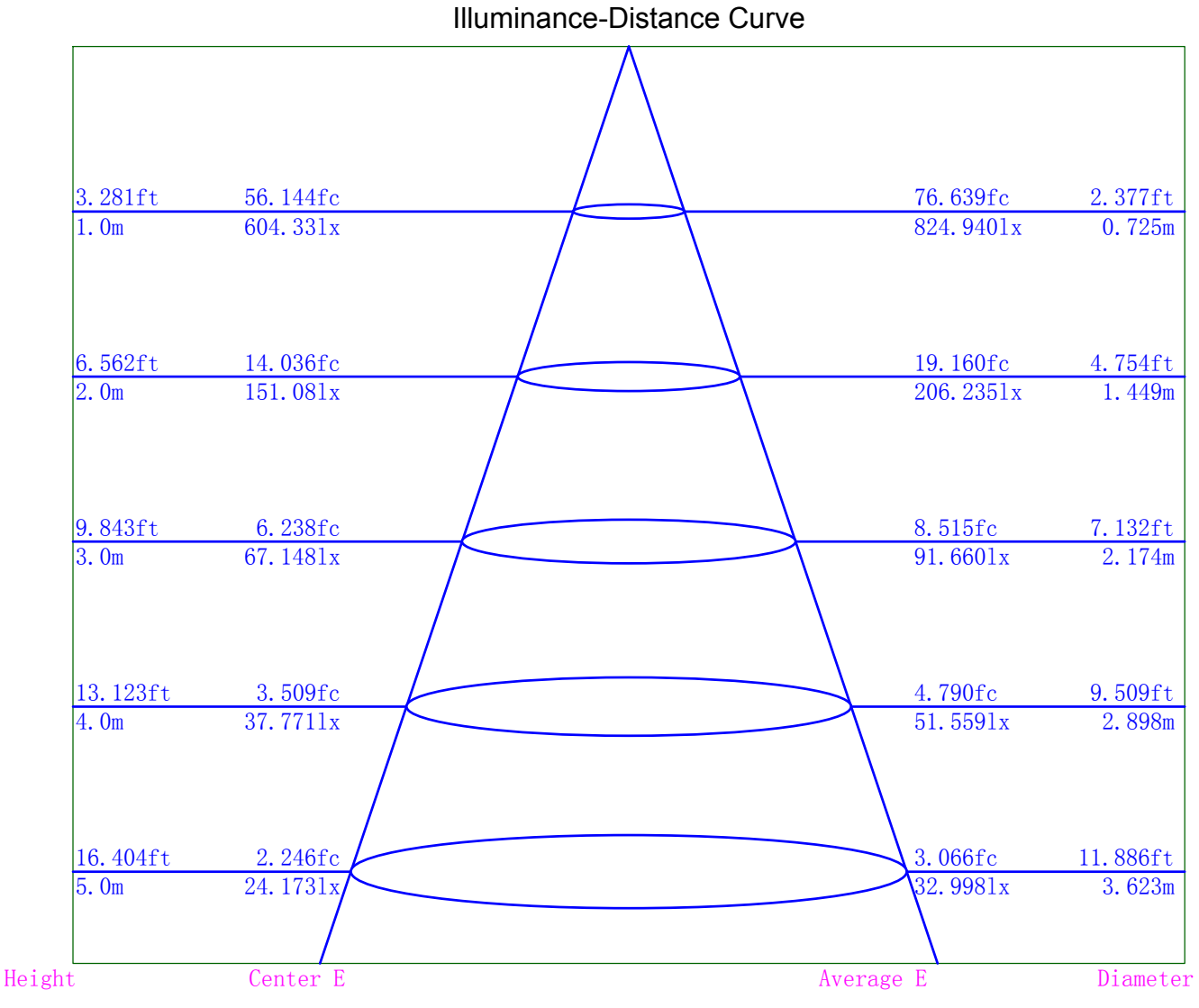


Space Plane Maximum Illuminance and @Angle:610.23lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:610.504cd,0eg

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

Illuminance-Distance Diagram

Lum.Name: HCP-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15



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

Indoor Luminance Limiting Curves

Lum.Name: HCP-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

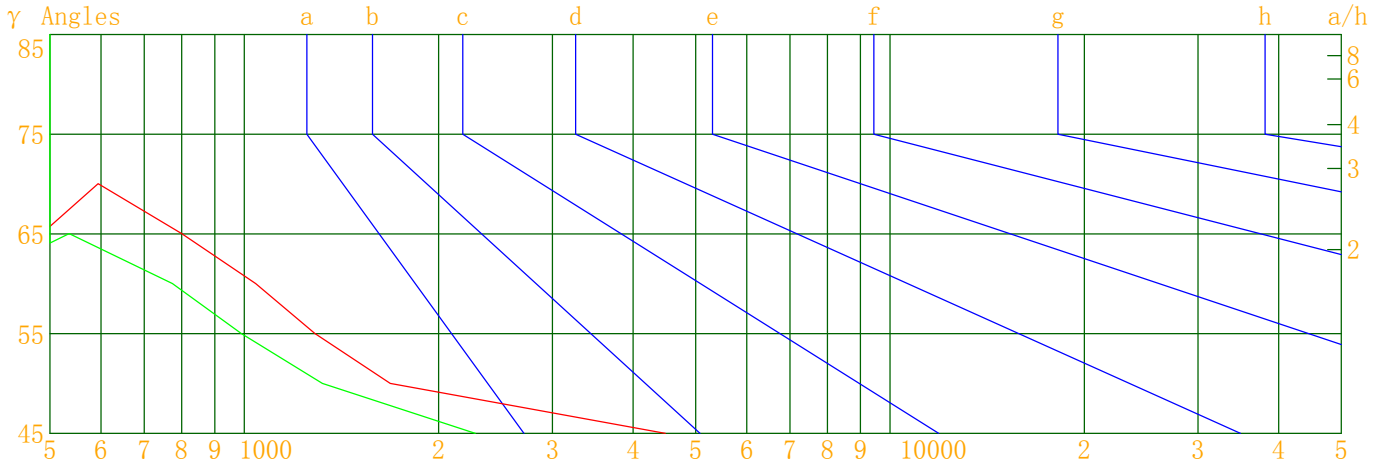
Glare Grade Table

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	4486	1683	1286	1041	800	594	486	430	383
C90	2279	1321	989	774	535	375	266	156	0

Luminance Limiting Curve

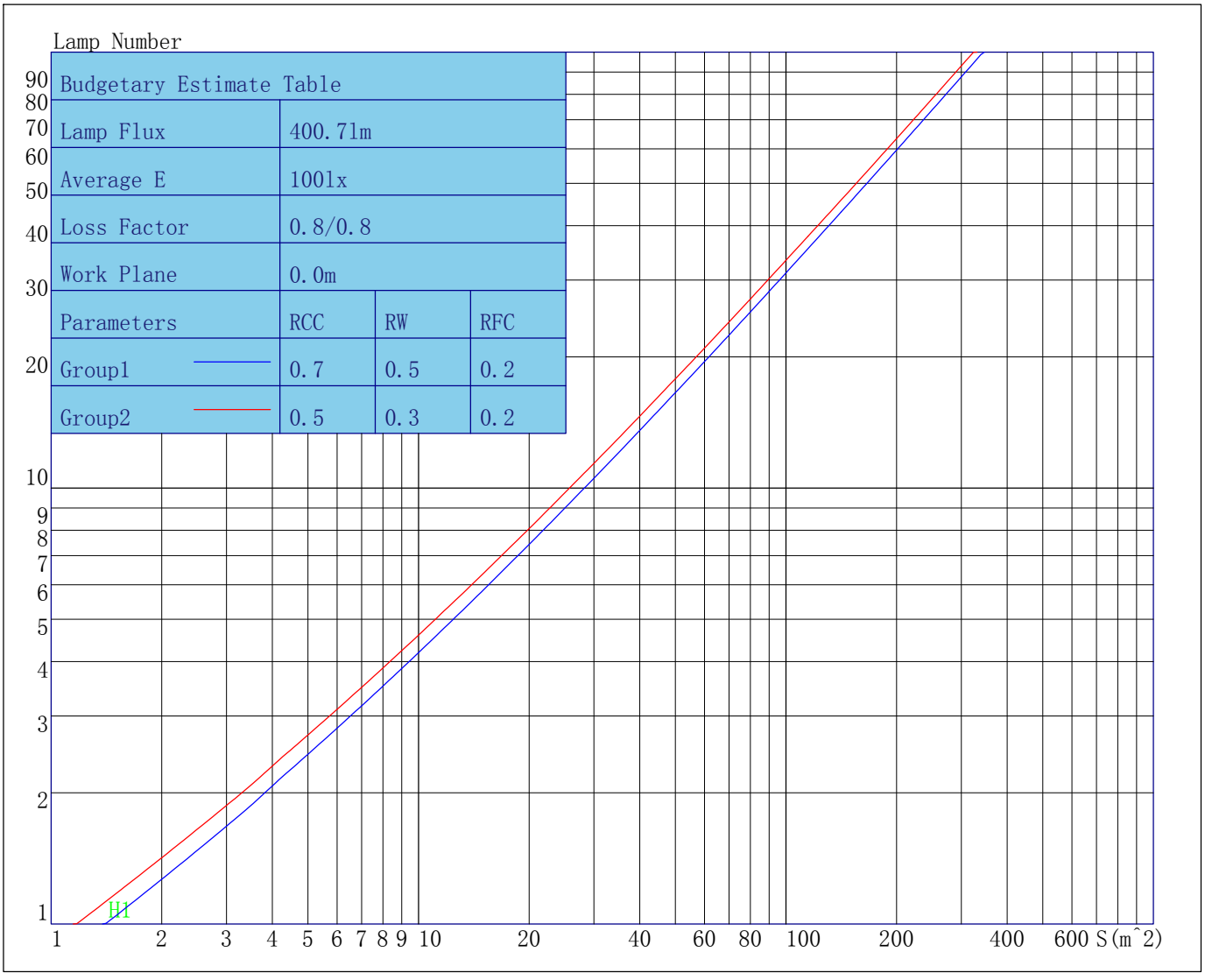


Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.062 Area(m^2)=0.015708
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

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

Indoor Budgetary Estimate Table

Lum.Name: HCP-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15



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-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

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	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	96	89	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50

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

Unified Glare Rating Table

Lum.Name: HCP-806024-5700K RA90 40D	Lum.Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine:GON-2000	Test Date: 2020/09/15

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	13.7	14.7	14.0	15.0	15.4	12.5	13.6	12.9	13.9	14.2
	Y=3H	13.6	14.5	14.0	14.9	15.3	12.4	13.3	12.8	13.7	14.1
	Y=4H	13.5	14.4	13.9	14.8	15.2	12.3	13.2	12.7	13.6	13.9
	Y=6H	13.5	14.3	13.9	14.7	15.1	12.2	13.0	12.6	13.4	13.8
	Y=8H	13.4	14.2	13.9	14.6	15.0	12.2	12.9	12.6	13.3	13.7
	Y=12H	13.4	14.1	13.8	14.5	14.9	12.1	12.8	12.6	13.2	13.7
X=4H	Y=2H	13.5	14.3	13.9	14.7	15.1	12.3	13.2	12.7	13.5	13.9
	Y=3H	13.4	14.1	13.8	14.6	15.0	12.2	12.9	12.6	13.3	13.8
	Y=4H	13.4	14.0	13.8	14.5	14.9	12.1	12.8	12.6	13.2	13.7
	Y=6H	13.3	13.9	13.8	14.3	14.8	12.0	12.6	12.5	13.1	13.5
	Y=8H	13.3	13.8	13.8	14.3	14.7	12.0	12.5	12.5	13.0	13.4
	Y=12H	13.2	13.7	13.7	14.2	14.7	11.9	12.4	12.4	12.9	13.4
X=8H	Y=4H	13.2	13.8	13.7	14.2	14.7	12.0	12.5	12.5	13.0	13.4
	Y=6H	13.2	13.6	13.7	14.1	14.7	11.9	12.3	12.4	12.8	13.4
	Y=8H	13.2	13.6	13.7	14.1	14.6	11.8	12.2	12.4	12.7	13.2
	Y=12H	13.1	13.5	13.7	14.0	14.6	11.8	12.1	12.3	12.6	13.2
X=12H	Y=4H	13.2	13.6	13.7	14.1	14.6	11.9	12.4	12.4	12.9	13.4
	Y=6H	13.1	13.5	13.7	14.0	14.6	11.8	12.2	12.4	12.7	13.2
	Y=8H	13.1	13.5	13.6	14.0	14.5	11.8	12.1	12.3	12.6	13.2
Variations with the observer position at spacings											
S=1.0H		0.5/-0.5					1.0/-1.2				
S=1.5H		0.9/-1.1					1.6/-2.0				
S=2.0H		1.9/-1.7					2.6/-3.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.3					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	C90.0	C180.0	C270.0
γ 0.0	604.33	604.33	604.33	604.33
γ 1.0	610.50	595.49	598.79	603.26
γ 2.0	609.39	590.75	589.73	605.43
γ 3.0	602.92	583.13	582.37	604.76
γ 4.0	594.60	568.61	571.36	600.68
γ 5.0	584.30	550.89	555.66	592.67
γ 6.0	570.00	530.09	536.30	580.75
γ 7.0	553.90	507.21	516.06	566.40
γ 8.0	532.87	483.18	496.13	546.69
γ 9.0	511.29	460.51	475.36	522.97
γ 10.0	491.18	439.63	455.72	498.63
γ 11.0	470.81	420.57	438.66	474.79
γ 12.0	452.31	403.80	421.11	451.69
γ 13.0	433.96	387.68	404.54	430.23
γ 14.0	415.76	373.14	389.31	412.37
γ 15.0	398.60	359.91	373.64	396.44
γ 16.0	381.63	346.45	356.97	381.06
γ 17.0	364.38	332.89	340.52	366.13
γ 18.0	347.05	318.33	324.60	352.05
γ 19.0	330.84	302.92	308.76	338.73
γ 20.0	314.87	287.13	292.76	324.84
γ 21.0	299.12	272.11	276.92	310.06
γ 22.0	283.26	256.48	261.42	295.08
γ 23.0	267.75	241.07	246.66	280.17
γ 24.0	252.31	225.42	232.64	264.55
γ 25.0	238.59	210.53	218.32	248.93
γ 26.0	225.31	196.88	204.59	233.80
γ 27.0	212.11	184.37	190.84	218.90
γ 28.0	199.20	173.29	178.69	205.07
γ 29.0	187.46	164.60	168.01	191.86
γ 30.0	176.63	156.62	159.65	180.46
γ 31.0	167.98	149.26	152.10	169.93
γ 32.0	159.97	143.81	145.57	161.41
γ 33.0	152.65	138.82	140.06	154.27
γ 34.0	146.57	132.85	135.40	147.08
γ 35.0	141.06	128.82	130.26	140.87
γ 36.0	135.12	125.10	125.71	135.69
γ 37.0	129.98	120.24	120.90	130.55
γ 38.0	124.84	112.82	114.08	126.10
γ 39.0	118.35	102.79	104.96	121.99
γ 40.0	108.71	90.07	94.07	117.06
γ 41.0	97.37	75.88	83.05	109.40
γ 42.0	85.93	61.36	71.83	98.98
γ 43.0	73.67	46.99	60.44	86.04
γ 44.0	61.79	34.57	49.04	71.38
γ 45.0	49.83	25.31	37.86	56.97
γ 46.0	38.77	19.79	28.13	43.01

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	29.20	16.96	21.42	31.33
γ 48.0	22.47	15.48	17.90	23.30
γ 49.0	18.98	14.43	16.10	18.47
γ 50.0	17.00	13.34	14.64	16.25
γ 51.0	15.86	12.22	13.12	15.08
γ 52.0	14.63	11.31	11.51	14.21
γ 53.0	13.37	10.43	10.22	13.07
γ 54.0	12.41	9.56	9.35	11.94
γ 55.0	11.59	8.91	8.73	11.12
γ 56.0	10.89	8.31	8.14	10.40
γ 57.0	10.19	7.71	7.55	9.72
γ 58.0	9.48	7.10	6.98	9.11
γ 59.0	8.82	6.58	6.38	8.54
γ 60.0	8.18	6.08	5.89	7.94
γ 61.0	7.59	5.59	5.41	7.35
γ 62.0	7.05	5.02	4.93	6.83
γ 63.0	6.46	4.48	4.36	6.34
γ 64.0	5.83	4.05	3.91	5.81
γ 65.0	5.31	3.55	3.51	5.21
γ 66.0	4.81	3.14	3.07	4.75
γ 67.0	4.27	2.82	2.73	4.30
γ 68.0	3.84	2.52	2.46	3.82
γ 69.0	3.49	2.25	2.23	3.48
γ 70.0	3.19	2.01	2.04	3.20
γ 71.0	2.89	1.79	1.85	2.95
γ 72.0	2.63	1.59	1.69	2.71
γ 73.0	2.39	1.41	1.54	2.50
γ 74.0	2.17	1.23	1.41	2.31
γ 75.0	1.98	1.08	1.27	2.13
γ 76.0	1.79	0.94	1.16	1.97
γ 77.0	1.62	0.82	1.07	1.81
γ 78.0	1.46	0.68	0.95	1.67
γ 79.0	1.31	0.54	0.84	1.52
γ 80.0	1.17	0.43	0.73	1.37
γ 81.0	1.03	0.31	0.62	1.24
γ 82.0	0.90	0.20	0.52	1.10
γ 83.0	0.77	0.10	0.42	0.97
γ 84.0	0.64	0.00	0.30	0.86
γ 85.0	0.52	0.00	0.19	0.74
γ 86.0	0.40	0.00	0.08	0.60
γ 87.0	0.28	0.00	0.00	0.46
γ 88.0	0.16	0.00	0.00	0.35
γ 89.0	0.02	0.00	0.00	0.20
γ 90.0	0.00	0.00	0.00	0.03
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	0.00
γ 138.0	0.00	0.00	0.00	0.00
γ 139.0	0.00	0.00	0.01	0.00
γ 140.0	0.00	0.00	0.06	0.03

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	0.02	0.00	0.09	0.08
γ 142.0	0.06	0.01	0.16	0.12
γ 143.0	0.11	0.07	0.20	0.17
γ 144.0	0.17	0.12	0.25	0.22
γ 145.0	0.20	0.16	0.29	0.26
γ 146.0	0.25	0.20	0.34	0.30
γ 147.0	0.29	0.24	0.38	0.34
γ 148.0	0.34	0.29	0.42	0.38
γ 149.0	0.38	0.33	0.46	0.42
γ 150.0	0.43	0.38	0.50	0.46
γ 151.0	0.47	0.42	0.54	0.50
γ 152.0	0.51	0.46	0.59	0.54
γ 153.0	0.55	0.51	0.63	0.57
γ 154.0	0.60	0.54	0.68	0.61
γ 155.0	0.64	0.58	0.70	0.65
γ 156.0	0.68	0.62	0.74	0.70
γ 157.0	0.72	0.66	0.78	0.73
γ 158.0	0.76	0.69	0.81	0.76
γ 159.0	0.79	0.72	0.84	0.79
γ 160.0	0.83	0.76	0.89	0.82
γ 161.0	0.87	0.80	0.91	0.85
γ 162.0	0.89	0.83	0.93	0.88
γ 163.0	0.92	0.86	0.96	0.90
γ 164.0	0.96	0.89	1.00	0.93
γ 165.0	0.99	0.93	1.02	0.95
γ 166.0	1.01	0.96	1.04	0.99
γ 167.0	1.05	0.98	1.07	1.01
γ 168.0	1.07	1.01	1.09	1.03
γ 169.0	1.10	1.03	1.11	1.06
γ 170.0	1.12	1.06	1.13	1.08
γ 171.0	1.15	1.08	1.15	1.10
γ 172.0	1.17	1.10	1.17	1.13
γ 173.0	1.19	1.12	1.19	1.14
γ 174.0	1.21	1.14	1.21	1.16
γ 175.0	1.22	1.15	1.23	1.17
γ 176.0	1.24	1.16	1.24	1.19
γ 177.0	1.25	1.17	1.24	1.20
γ 178.0	1.25	1.18	1.26	1.21
γ 179.0	1.28	1.18	1.26	1.22
γ 180.0	1.24	1.24	1.24	1.24