

Indoor Luminaire Photometric Data

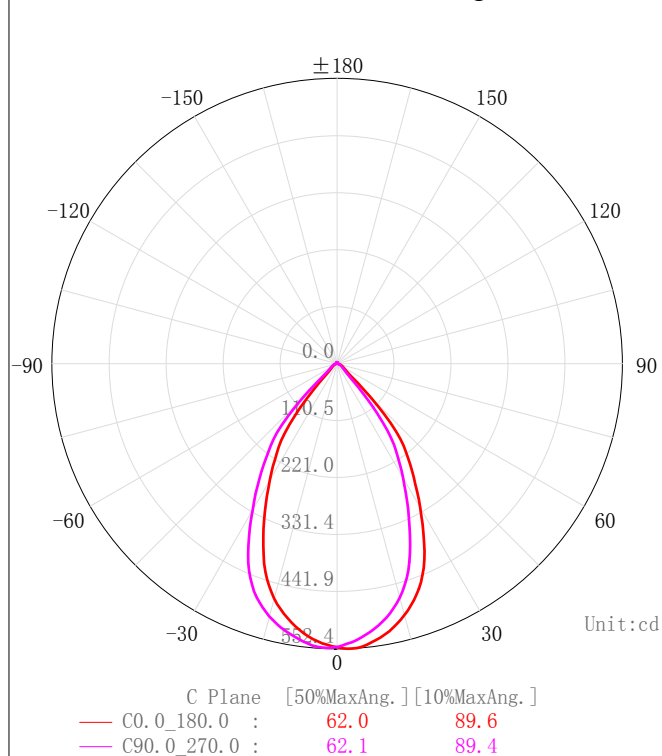
Description Information

Luminary Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/09/22
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*0.080m	Lum. Area (m2): 0.016	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity (%): 50.0

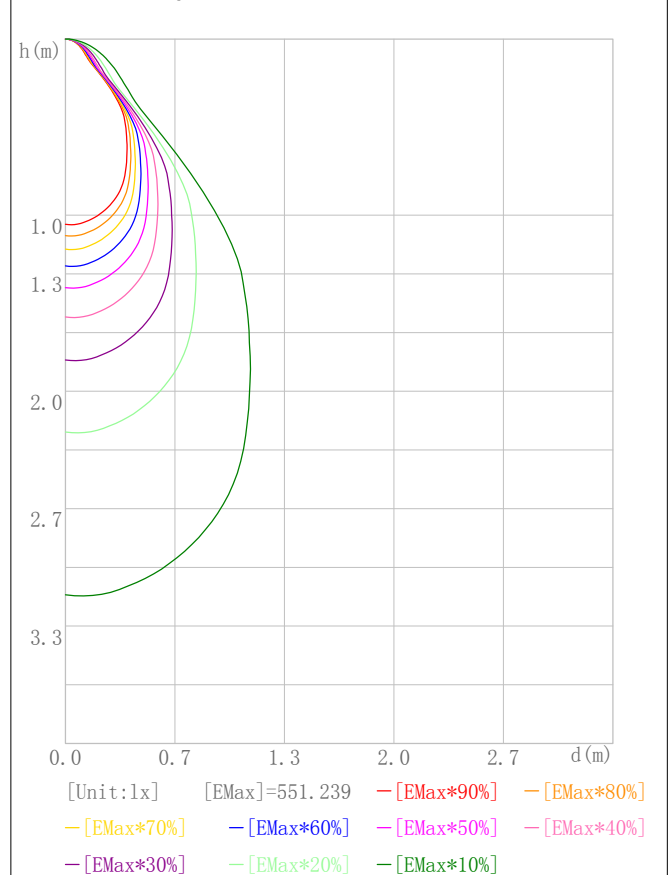
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 576.140	Luminary Flux(lm): 576.137	Field Angle(10%Imax): 89.6(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 572.492lm 99.37%
Rated Voltage(V):	Luminary EER(lm/W): 66.094	Up Lumens&Percent: 3.645lm 0.63%
Tested Power(W): 8.717	Max. Candela(cd): 552.391	S/MH: C0_a180=0.929 C90_270=0.931
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=3.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.1, 0.039, 0.909	Beam Angle(50%Imax): 62.0(°)	ErP Φ use(90°): 510.543lm
Lamp Size (W*L*H): 0.050m*0.000m*0.080m	Left=-28.8°, Right=33.1°	IRF (%): 199.010

C Plane Distribution Diagram



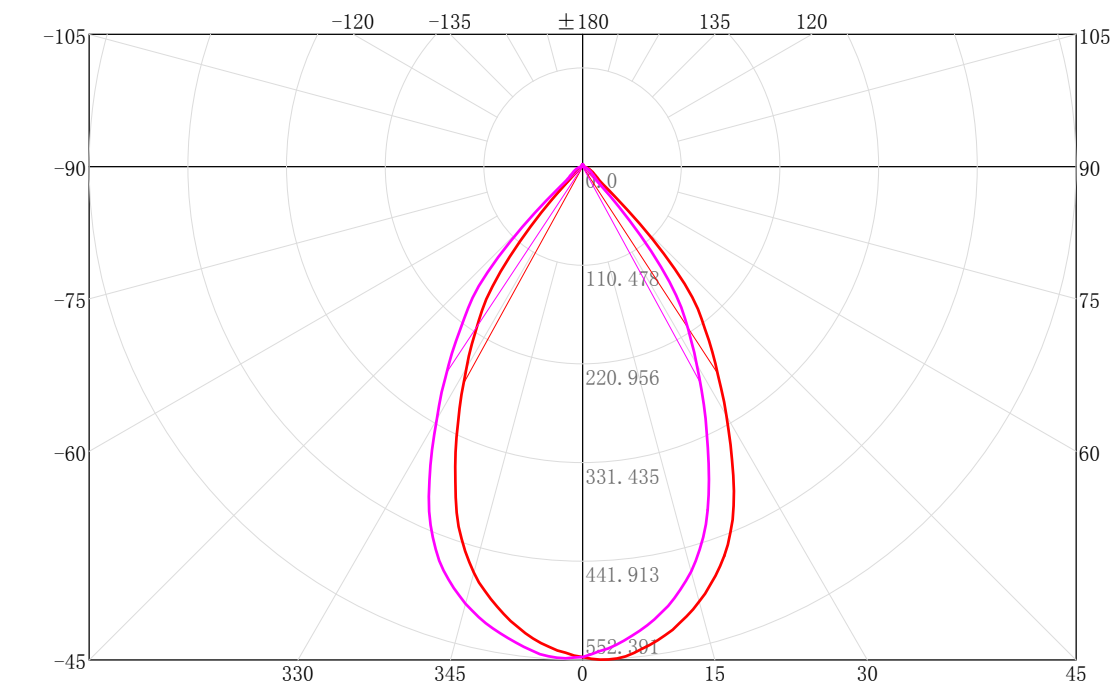
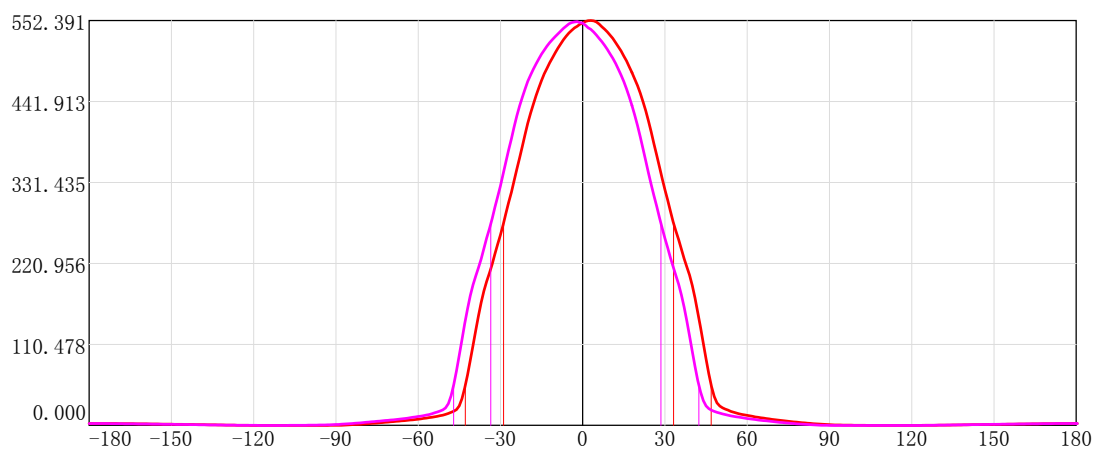
C0 Space ISO Illuminance Curve



2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]

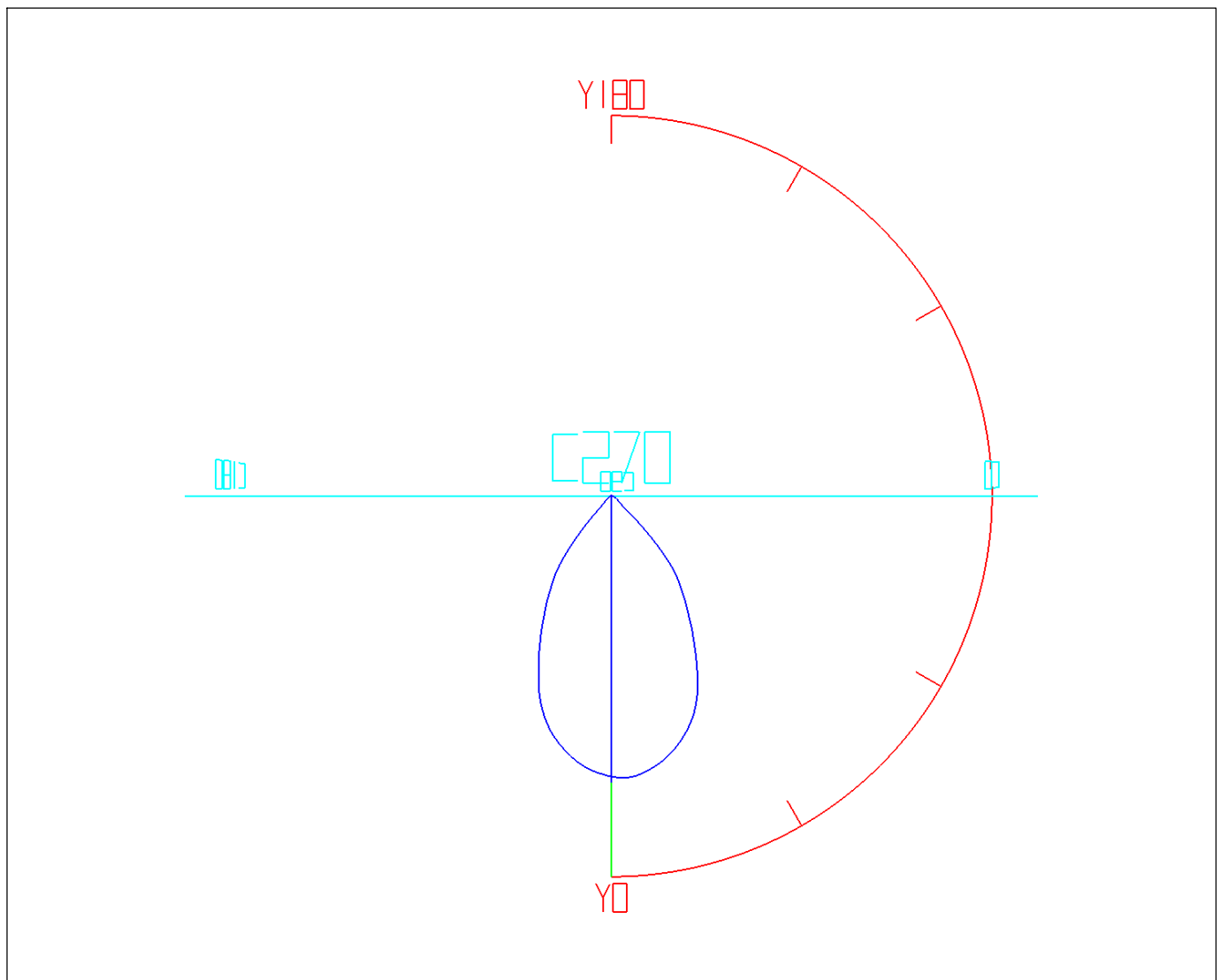
— C0.0_180.0 :	62.0	89.6
— C90.0_270.0 :	62.1	89.4

Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

3D Light Intensity Distribution Modal



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

Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.53	0.53	0.09	0.09	47.0-48.0	2.69	540.36	0.47	93.79
1.0-2.0	1.57	2.10	0.27	0.36	48.0-49.0	2.17	542.53	0.38	94.17
2.0-3.0	2.62	4.71	0.45	0.82	49.0-50.0	1.85	544.38	0.32	94.49
3.0-4.0	3.65	8.37	0.63	1.45	50.0-51.0	1.66	546.04	0.29	94.78
4.0-5.0	4.67	13.04	0.81	2.26	51.0-52.0	1.56	547.60	0.27	95.05
5.0-6.0	5.67	18.71	0.98	3.25	52.0-53.0	1.48	549.08	0.26	95.30
6.0-7.0	6.65	25.36	1.15	4.40	53.0-54.0	1.40	550.48	0.24	95.55
7.0-8.0	7.61	32.97	1.32	5.72	54.0-55.0	1.33	551.80	0.23	95.78
8.0-9.0	8.54	41.51	1.48	7.21	55.0-56.0	1.27	553.07	0.22	96.00
9.0-10.0	9.45	50.97	1.64	8.85	56.0-57.0	1.21	554.28	0.21	96.21
10.0-11.0	10.33	61.30	1.79	10.64	57.0-58.0	1.16	555.44	0.20	96.41
11.0-12.0	11.18	72.48	1.94	12.58	58.0-59.0	1.11	556.55	0.19	96.60
12.0-13.0	11.99	84.47	2.08	14.66	59.0-60.0	1.06	557.62	0.18	96.78
13.0-14.0	12.76	97.23	2.21	16.88	60.0-61.0	1.02	558.64	0.18	96.96
14.0-15.0	13.49	110.72	2.34	19.22	61.0-62.0	0.98	559.62	0.17	97.13
15.0-16.0	14.17	124.88	2.46	21.68	62.0-63.0	0.94	560.56	0.16	97.30
16.0-17.0	14.79	139.67	2.57	24.24	63.0-64.0	0.89	561.45	0.16	97.45
17.0-18.0	15.34	155.01	2.66	26.91	64.0-65.0	0.85	562.30	0.15	97.60
18.0-19.0	15.84	170.86	2.75	29.66	65.0-66.0	0.81	563.12	0.14	97.74
19.0-20.0	16.27	187.12	2.82	32.48	66.0-67.0	0.78	563.90	0.14	97.88
20.0-21.0	16.59	203.72	2.88	35.36	67.0-68.0	0.74	564.64	0.13	98.00
21.0-22.0	16.83	220.54	2.92	38.28	68.0-69.0	0.71	565.35	0.12	98.13
22.0-23.0	16.99	237.53	2.95	41.23	69.0-70.0	0.67	566.01	0.12	98.24
23.0-24.0	17.07	254.61	2.96	44.19	70.0-71.0	0.63	566.65	0.11	98.35
24.0-25.0	17.07	271.68	2.96	47.15	71.0-72.0	0.60	567.24	0.10	98.46
25.0-26.0	16.99	288.66	2.95	50.10	72.0-73.0	0.56	567.80	0.10	98.55
26.0-27.0	16.84	305.50	2.92	53.03	73.0-74.0	0.53	568.33	0.09	98.64
27.0-28.0	16.65	322.15	2.89	55.92	74.0-75.0	0.49	568.82	0.08	98.73
28.0-29.0	16.39	338.54	2.84	58.76	75.0-76.0	0.45	569.27	0.08	98.81
29.0-30.0	16.10	354.63	2.79	61.55	76.0-77.0	0.42	569.69	0.07	98.88
30.0-31.0	15.81	370.44	2.74	64.30	77.0-78.0	0.39	570.08	0.07	98.95
31.0-32.0	15.49	385.93	2.69	66.99	78.0-79.0	0.36	570.44	0.06	99.01
32.0-33.0	15.10	401.04	2.62	69.61	79.0-80.0	0.32	570.76	0.06	99.07
33.0-34.0	14.71	415.74	2.55	72.16	80.0-81.0	0.29	571.05	0.05	99.12
34.0-35.0	14.32	430.06	2.48	74.64	81.0-82.0	0.26	571.31	0.05	99.16
35.0-36.0	13.85	443.91	2.40	77.05	82.0-83.0	0.23	571.54	0.04	99.20
36.0-37.0	13.26	457.18	2.30	79.35	83.0-84.0	0.21	571.75	0.04	99.24
37.0-38.0	12.57	469.75	2.18	81.53	84.0-85.0	0.18	571.93	0.03	99.27
38.0-39.0	11.80	481.55	2.05	83.58	85.0-86.0	0.15	572.08	0.03	99.30
39.0-40.0	10.92	492.47	1.90	85.48	86.0-87.0	0.13	572.21	0.02	99.32
40.0-41.0	9.90	502.37	1.72	87.20	87.0-88.0	0.11	572.32	0.02	99.34
41.0-42.0	8.75	511.12	1.52	88.72	88.0-89.0	0.09	572.41	0.02	99.35
42.0-43.0	7.52	518.64	1.30	90.02	89.0-90.0	0.08	572.49	0.01	99.37
43.0-44.0	6.29	524.93	1.09	91.11	90.0-91.0	0.06	572.56	0.01	99.38
44.0-45.0	5.17	530.10	0.90	92.01	91.0-92.0	0.05	572.61	0.01	99.39
45.0-46.0	4.20	534.30	0.73	92.74	92.0-93.0	0.04	572.65	0.01	99.39
46.0-47.0	3.37	537.67	0.58	93.32	93.0-94.0	0.04	572.69	0.01	99.40

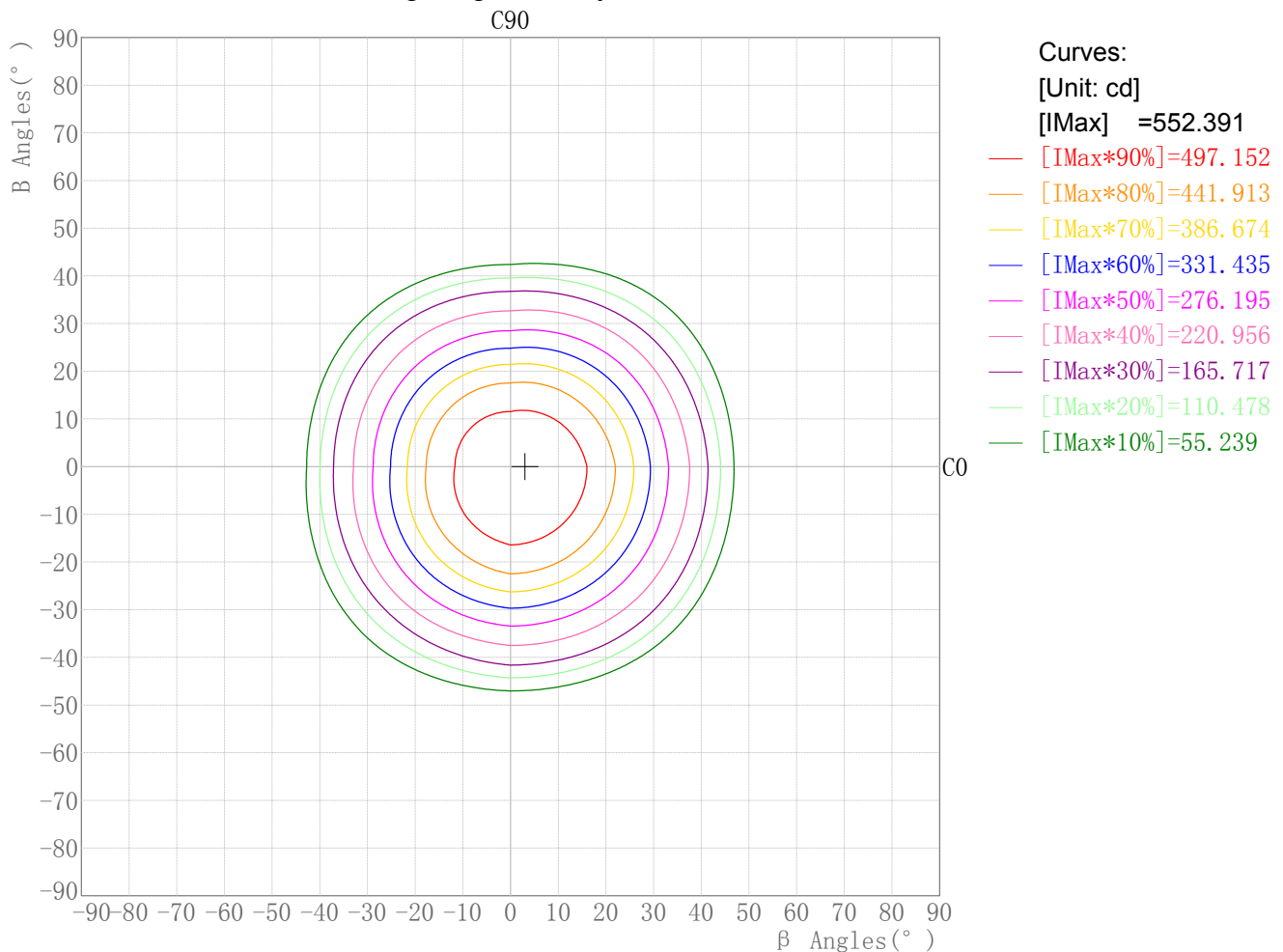
Zonal Flux Tabulation - (Cont.)

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	0.03	572.72	0.01	99.41	141.0-142.0	0.07	573.82	0.01	99.60
95.0-96.0	0.03	572.75	0.01	99.41	142.0-143.0	0.08	573.89	0.01	99.61
96.0-97.0	0.03	572.78	0.00	99.42	143.0-144.0	0.08	573.97	0.01	99.62
97.0-98.0	0.02	572.80	0.00	99.42	144.0-145.0	0.08	574.05	0.01	99.64
98.0-99.0	0.02	572.82	0.00	99.42	145.0-146.0	0.08	574.13	0.01	99.65
99.0-100.0	0.02	572.84	0.00	99.43	146.0-147.0	0.08	574.21	0.01	99.67
100.0-101.0	0.02	572.86	0.00	99.43	147.0-148.0	0.08	574.29	0.01	99.68
101.0-102.0	0.01	572.87	0.00	99.43	148.0-149.0	0.08	574.37	0.01	99.69
102.0-103.0	0.01	572.88	0.00	99.43	149.0-150.0	0.08	574.46	0.01	99.71
103.0-104.0	0.01	572.89	0.00	99.44	150.0-151.0	0.08	574.54	0.01	99.72
104.0-105.0	0.01	572.90	0.00	99.44	151.0-152.0	0.08	574.62	0.01	99.74
105.0-106.0	0.01	572.90	0.00	99.44	152.0-153.0	0.08	574.71	0.01	99.75
106.0-107.0	0.00	572.91	0.00	99.44	153.0-154.0	0.08	574.79	0.01	99.77
107.0-108.0	0.00	572.91	0.00	99.44	154.0-155.0	0.08	574.87	0.01	99.78
108.0-109.0	0.00	572.91	0.00	99.44	155.0-156.0	0.08	574.95	0.01	99.79
109.0-110.0	0.00	572.91	0.00	99.44	156.0-157.0	0.08	575.03	0.01	99.81
110.0-111.0	0.00	572.92	0.00	99.44	157.0-158.0	0.08	575.11	0.01	99.82
111.0-112.0	0.00	572.92	0.00	99.44	158.0-159.0	0.08	575.19	0.01	99.83
112.0-113.0	0.00	572.92	0.00	99.44	159.0-160.0	0.08	575.26	0.01	99.85
113.0-114.0	0.00	572.92	0.00	99.44	160.0-161.0	0.07	575.34	0.01	99.86
114.0-115.0	0.00	572.92	0.00	99.44	161.0-162.0	0.07	575.41	0.01	99.87
115.0-116.0	0.00	572.92	0.00	99.44	162.0-163.0	0.07	575.48	0.01	99.89
116.0-117.0	0.00	572.93	0.00	99.44	163.0-164.0	0.07	575.55	0.01	99.90
117.0-118.0	0.00	572.93	0.00	99.44	164.0-165.0	0.06	575.61	0.01	99.91
118.0-119.0	0.00	572.93	0.00	99.44	165.0-166.0	0.06	575.68	0.01	99.92
119.0-120.0	0.00	572.94	0.00	99.44	166.0-167.0	0.06	575.73	0.01	99.93
120.0-121.0	0.01	572.94	0.00	99.44	167.0-168.0	0.06	575.79	0.01	99.94
121.0-122.0	0.01	572.95	0.00	99.45	168.0-169.0	0.05	575.84	0.01	99.95
122.0-123.0	0.01	572.96	0.00	99.45	169.0-170.0	0.05	575.89	0.01	99.96
123.0-124.0	0.01	572.97	0.00	99.45	170.0-171.0	0.04	575.94	0.01	99.96
124.0-125.0	0.02	572.99	0.00	99.45	171.0-172.0	0.04	575.98	0.01	99.97
125.0-126.0	0.02	573.01	0.00	99.46	172.0-173.0	0.04	576.01	0.01	99.98
126.0-127.0	0.02	573.04	0.00	99.46	173.0-174.0	0.03	576.05	0.01	99.98
127.0-128.0	0.03	573.06	0.00	99.47	174.0-175.0	0.03	576.07	0.00	99.99
128.0-129.0	0.03	573.09	0.01	99.47	175.0-176.0	0.02	576.10	0.00	99.99
129.0-130.0	0.03	573.13	0.01	99.48	176.0-177.0	0.02	576.11	0.00	100.00
130.0-131.0	0.04	573.17	0.01	99.48	177.0-178.0	0.01	576.13	0.00	100.00
131.0-132.0	0.04	573.21	0.01	99.49	178.0-179.0	0.01	576.13	0.00	100.00
132.0-133.0	0.05	573.25	0.01	99.50	179.0-180.0	0.00	576.14	0.00	100.00
133.0-134.0	0.05	573.30	0.01	99.51					
134.0-135.0	0.05	573.36	0.01	99.52					
135.0-136.0	0.06	573.41	0.01	99.53					
136.0-137.0	0.06	573.47	0.01	99.54					
137.0-138.0	0.06	573.54	0.01	99.55					
138.0-139.0	0.07	573.60	0.01	99.56					
139.0-140.0	0.07	573.67	0.01	99.57					
140.0-141.0	0.07	573.74	0.01	99.58					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

ISO Lighting Intensity Curve



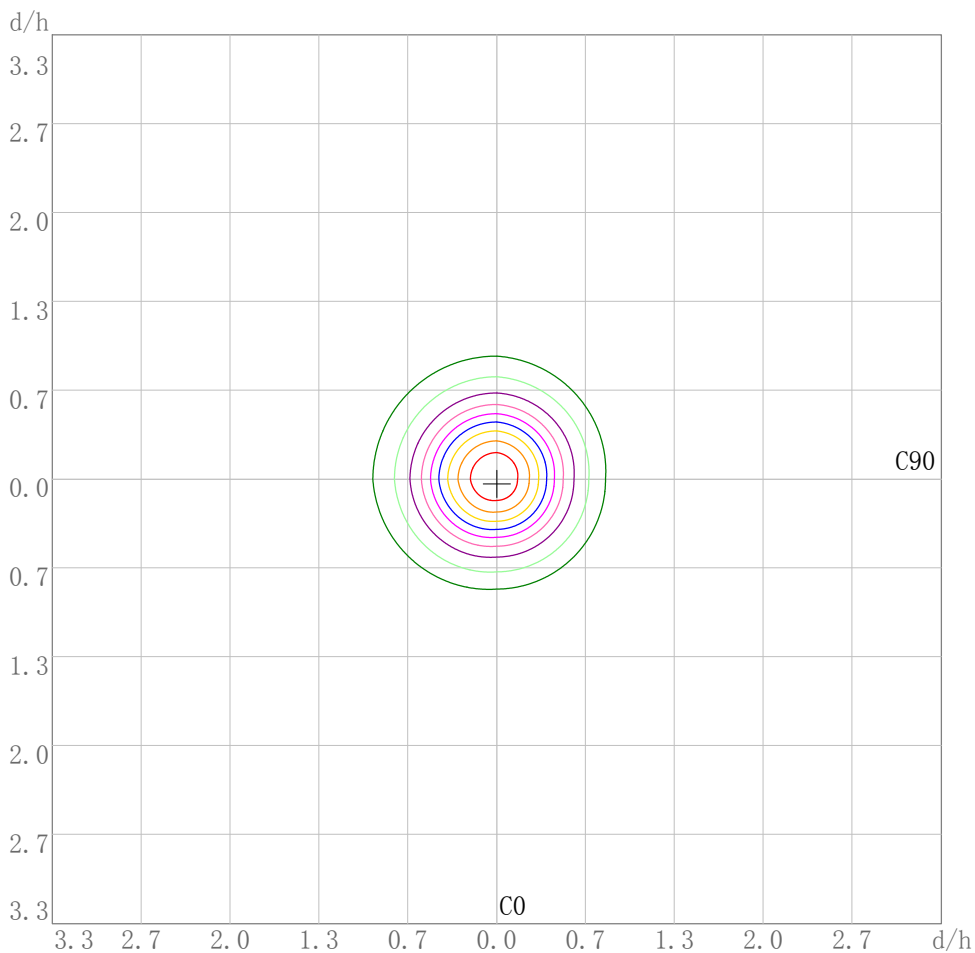
Maximum Light Intensity(cd): 552.39

Maximum Cand.@Angle: H=3.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

Plane ISO-Illuminance Curve



Curves:

unit: lx

[EMax] = 61.249

— [EMax*90%]=55.124

— [EMax*80%]=48.999

— [EMax*70%]=42.874

— [EMax*60%]=36.749

— [EMax*50%]=30.624

— [EMax*40%]=24.500

— [EMax*30%]=18.375

— [EMax*20%]=12.250

— [EMax*10%]=6.125

Working Plane Luminaire Mounting Height(m): 3.00

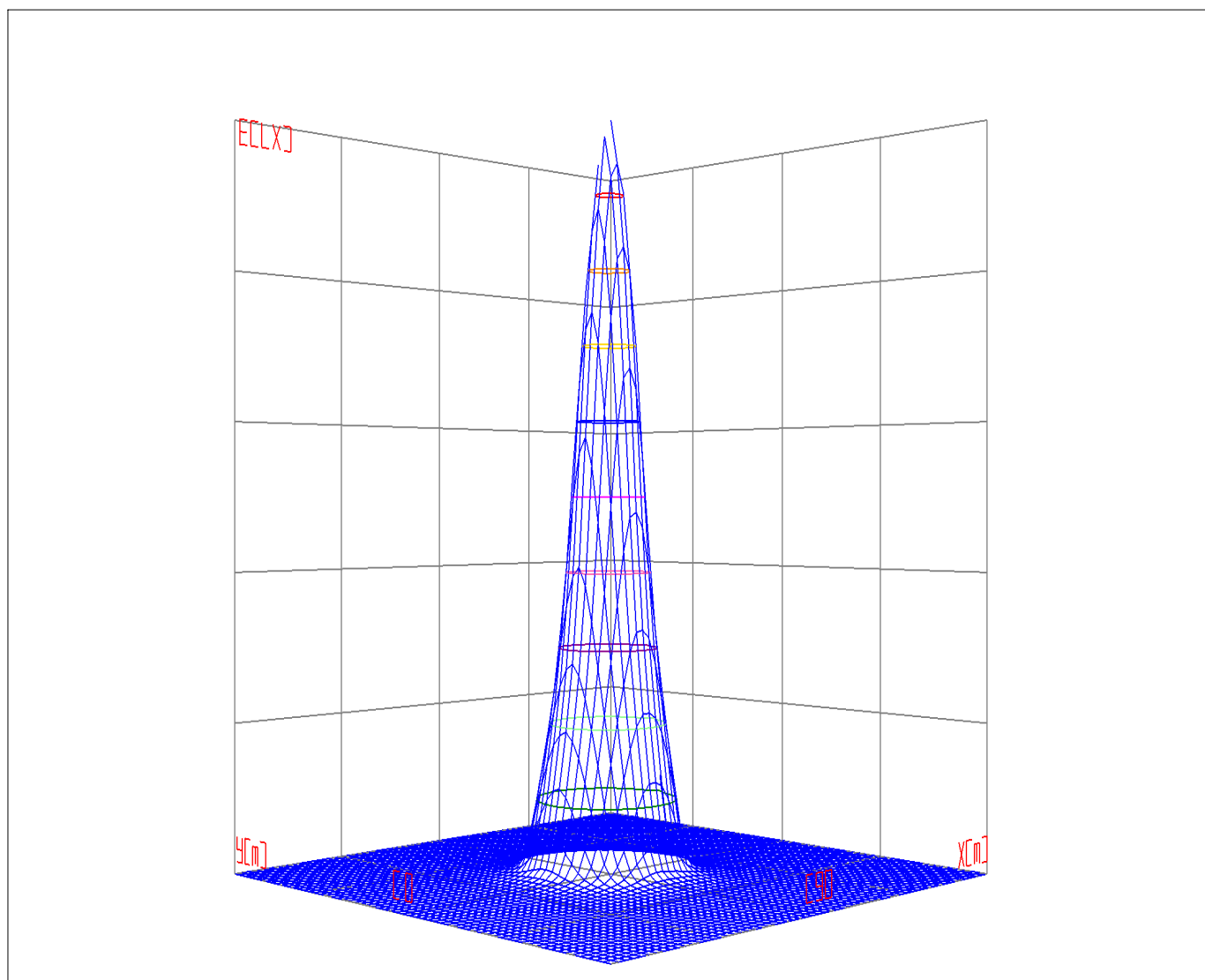
Working Plane Maximum Illuminance(lx): 61.25

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

3D Plane ISO Illuminance Diagram

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

3D Plane Illuminance Model

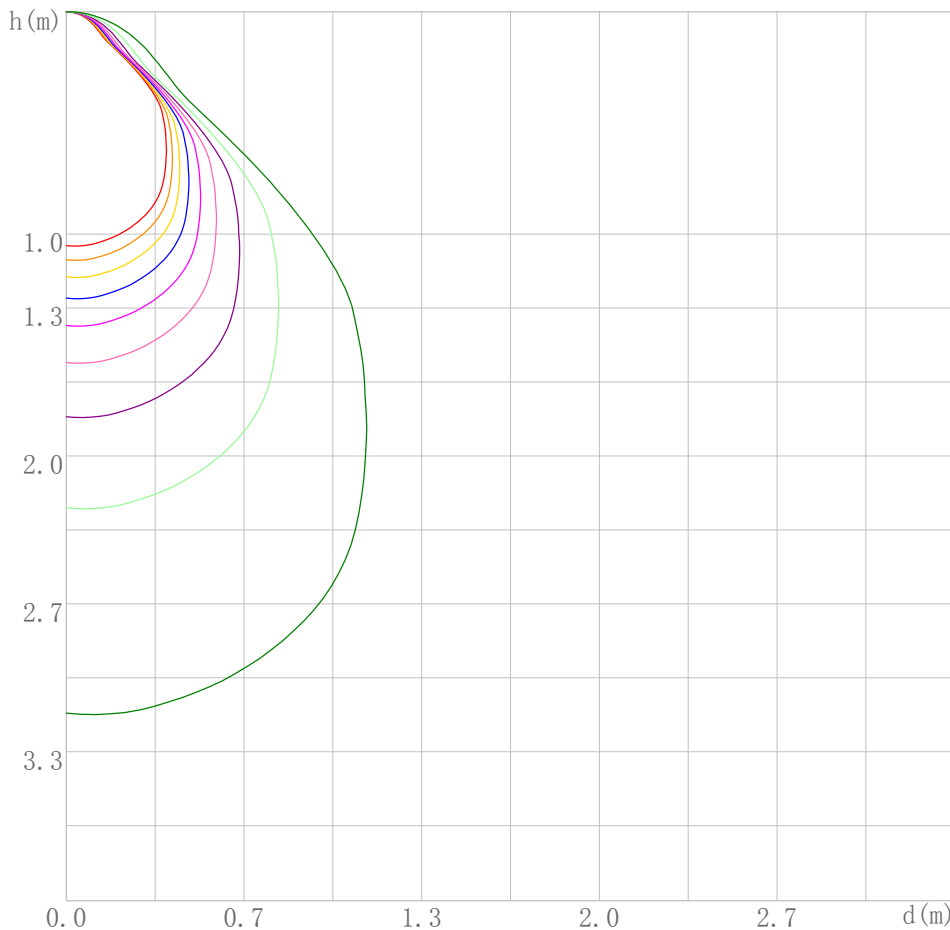


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[E_{Max}] = 551.239

— [E_{Max}*90%]=496.115

— [E_{Max}*80%]=440.991

— [E_{Max}*70%]=385.868

— [E_{Max}*60%]=330.744

— [E_{Max}*50%]=275.620

— [E_{Max}*40%]=220.496

— [E_{Max}*30%]=165.372

— [E_{Max}*20%]=110.248

— [E_{Max}*10%]=55.124

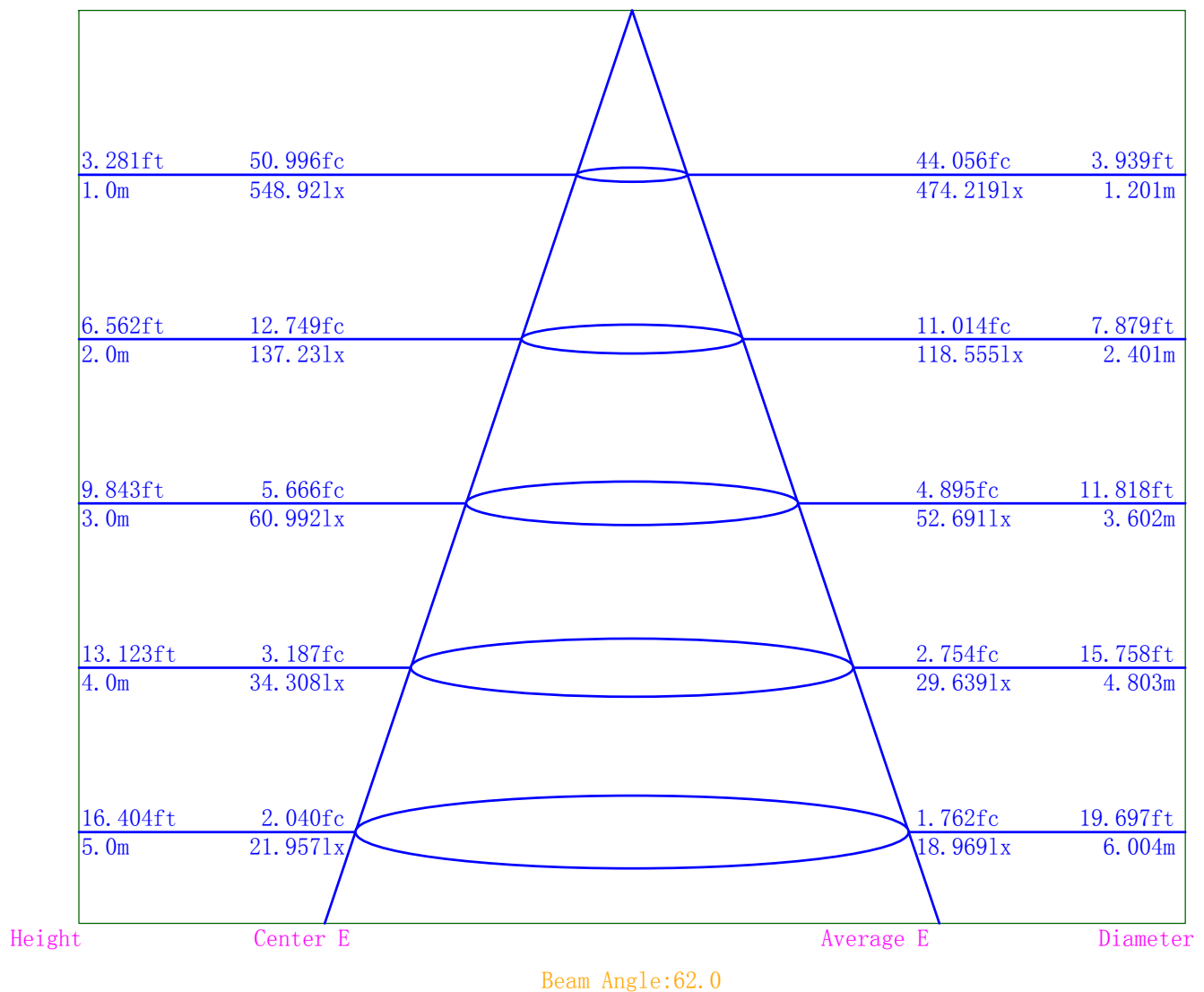
Space Plane Maximum Illuminance and @Angle:551.24lx,2.0deg

Plane Maximum Lighting Intensity and @Angle:552.391cd,0deg

Illuminance-Distance Diagram

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

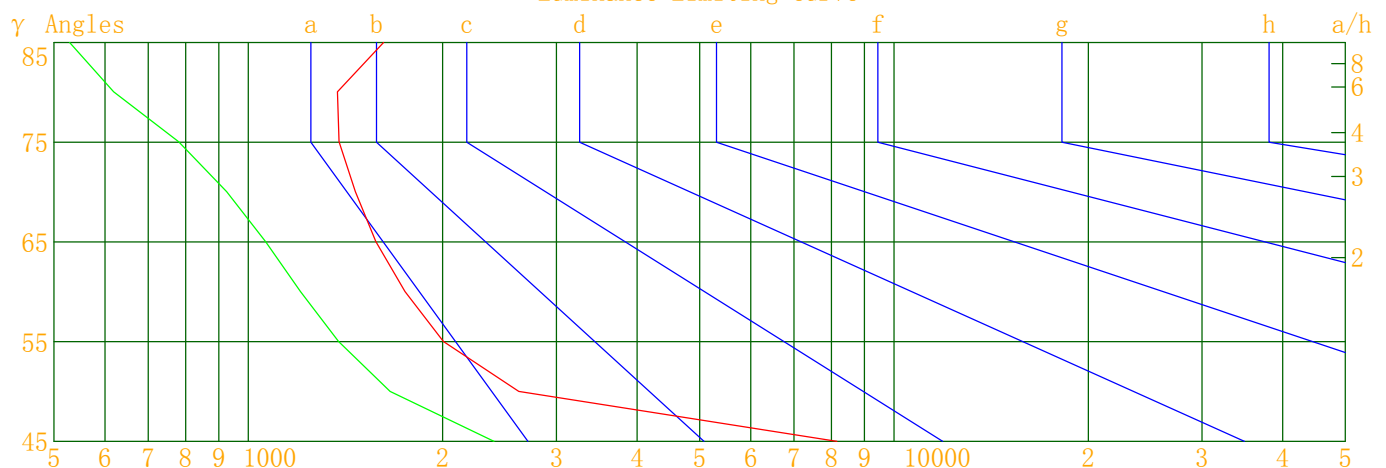
Glare Grade Table

GI	Quality	Using Illuminance							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E	a				2000	1000	500	≤ 300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	8155	2624	2005	1748	1576	1465	1382	1374	1619
C90	2402	1658	1380	1204	1063	926	780	618	529

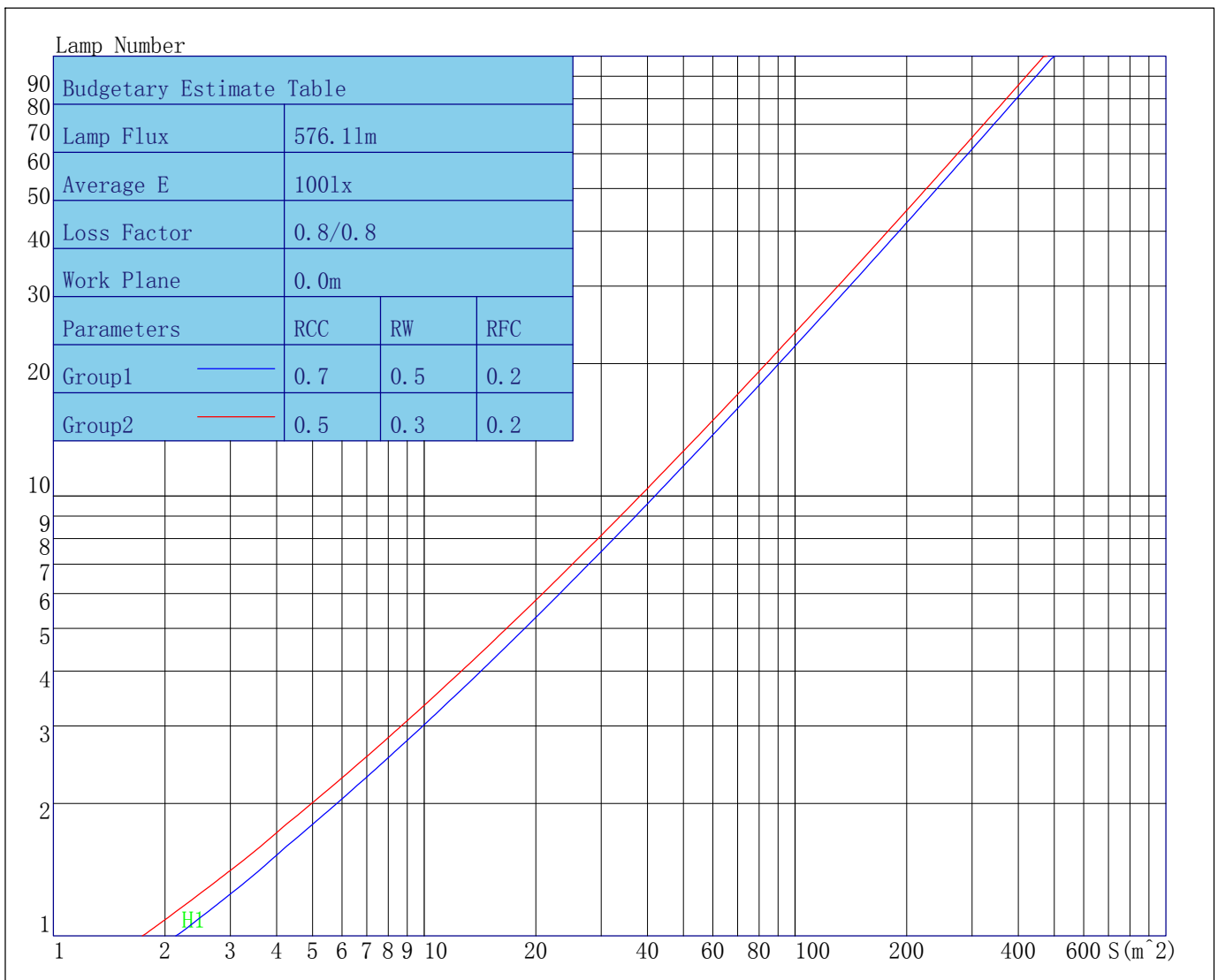
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.080 Area(m²)=0.015708
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

Indoor Coefficient of Utilization Table

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	113	110	107	104	110	107	105	103	103	101	99	99	98	96	96	95	93	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	84	81	79	77
4	95	87	81	76	93	85	80	76	83	78	75	81	77	74	79	76	73	71
5	90	81	74	70	88	80	74	69	78	72	69	76	71	68	74	70	67	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46

Unified Glare Rating Table

Lum. Name: HCP-809024-4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/22

Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Vewed crosswise					Vewed endwise				
X=2H Y=2H	16.1	17.2	16.5	17.6	17.9	13.6	14.7	13.9	15.0	15.3
	16.1	17.1	16.5	17.5	17.9	13.6	14.5	14.0	14.9	15.3
	16.2	17.1	16.6	17.4	17.8	13.6	14.5	14.0	14.8	15.2
	16.2	17.0	16.6	17.4	17.8	13.5	14.4	13.9	14.8	15.2
	16.2	17.0	16.6	17.4	17.8	13.5	14.3	13.9	14.7	15.1
	16.2	16.9	16.6	17.3	17.8	13.5	14.2	13.9	14.6	15.1
X=4H Y=2H	15.9	16.8	16.3	17.2	17.6	13.4	14.3	13.8	14.7	15.1
	16.0	16.8	16.4	17.2	17.6	13.5	14.3	13.9	14.7	15.1
	16.1	16.8	16.5	17.2	17.7	13.5	14.2	14.0	14.6	15.1
	16.1	16.8	16.6	17.2	17.7	13.5	14.1	14.0	14.6	15.1
	16.2	16.8	16.7	17.2	17.7	13.5	14.1	14.0	14.5	15.0
	16.2	16.7	16.7	17.2	17.7	13.5	14.0	14.0	14.5	15.0
X=8H Y=4H	16.0	16.6	16.5	17.0	17.5	13.4	14.0	13.9	14.5	15.0
	16.1	16.6	16.6	17.1	17.7	13.5	14.0	14.0	14.5	15.0
	16.2	16.6	16.7	17.1	17.7	13.5	13.9	14.0	14.5	15.0
	16.3	16.7	16.8	17.2	17.8	13.5	13.9	14.0	14.4	15.0
X=12H Y=4H	15.9	16.4	16.4	16.9	17.4	13.4	13.9	13.9	14.4	14.9
	16.1	16.5	16.6	17.0	17.6	13.5	13.9	14.0	14.4	14.9
	16.2	16.6	16.7	17.1	17.7	13.5	13.9	14.0	14.4	15.0
Variations with the observer position at spacings										
S=1.0H	0.3/−0.3					0.6/−0.7				
S=1.5H	0.7/−0.7					1.0/−1.2				
S=2.0H	0.8/−0.9					1.4/−1.7				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.6					0.5				

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	548.92	548.92	548.92	548.92
γ 1.0	551.04	546.05	547.45	549.61
γ 2.0	552.25	542.62	544.52	550.78
γ 3.0	552.39	540.30	542.34	550.52
γ 4.0	551.95	536.69	538.79	549.46
γ 5.0	550.37	532.50	535.43	547.87
γ 6.0	547.55	528.00	531.05	544.64
γ 7.0	543.88	523.49	526.23	541.62
γ 8.0	540.60	518.60	520.62	537.93
γ 9.0	536.83	513.11	514.94	534.32
γ 10.0	532.56	507.08	508.54	530.52
γ 11.0	528.19	501.07	501.74	526.53
γ 12.0	522.30	493.93	494.80	522.36
γ 13.0	516.63	486.08	487.16	517.44
γ 14.0	510.83	477.95	479.70	512.08
γ 15.0	503.94	469.22	470.44	506.55
γ 16.0	497.28	459.24	460.52	499.90
γ 17.0	489.26	448.23	449.95	493.30
γ 18.0	481.44	436.35	438.29	485.92
γ 19.0	472.79	423.60	426.27	478.07
γ 20.0	463.58	409.01	412.17	469.42
γ 21.0	453.30	393.55	396.70	458.73
γ 22.0	441.61	377.52	380.46	447.61
γ 23.0	429.48	361.03	364.84	435.80
γ 24.0	415.59	344.61	349.88	422.44
γ 25.0	400.69	328.72	334.01	407.50
γ 26.0	384.46	313.81	318.18	390.97
γ 27.0	368.27	298.73	303.67	375.23
γ 28.0	352.59	283.39	288.93	359.18
γ 29.0	336.58	268.93	273.32	342.68
γ 30.0	321.67	255.31	259.70	326.38
γ 31.0	307.53	242.48	247.21	312.11
γ 32.0	292.58	229.04	234.08	297.73
γ 33.0	277.97	216.71	220.00	282.29
γ 34.0	265.52	204.79	207.98	268.52
γ 35.0	253.17	192.37	196.22	255.35
γ 36.0	240.50	178.05	183.45	241.18
γ 37.0	227.56	161.29	167.71	227.09
γ 38.0	216.20	142.33	149.26	215.07
γ 39.0	205.00	121.76	129.46	203.69
γ 40.0	190.92	100.87	109.03	191.71
γ 41.0	173.85	80.26	88.78	177.15
γ 42.0	154.20	61.31	68.96	159.07
γ 43.0	133.17	45.42	50.91	138.60
γ 44.0	111.69	33.83	36.46	116.86
γ 45.0	90.58	26.68	26.65	95.55
γ 46.0	70.60	22.94	21.63	74.76

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	52.97	20.76	19.36	55.89
γ 48.0	39.46	19.20	17.83	40.36
γ 49.0	30.86	17.87	16.40	29.65
γ 50.0	26.50	16.74	15.11	23.87
γ 51.0	24.07	15.78	14.04	21.17
γ 52.0	22.36	14.95	13.27	19.65
γ 53.0	20.85	13.95	12.47	18.39
γ 54.0	19.29	13.10	11.72	17.17
γ 55.0	18.07	12.43	11.17	16.00
γ 56.0	17.11	11.85	10.66	14.94
γ 57.0	15.96	11.26	10.14	14.09
γ 58.0	15.12	10.64	9.60	13.39
γ 59.0	14.41	10.02	9.02	12.75
γ 60.0	13.73	9.46	8.52	12.17
γ 61.0	13.09	8.99	8.11	11.62
γ 62.0	12.40	8.53	7.72	11.04
γ 63.0	11.64	8.07	7.33	10.45
γ 64.0	11.03	7.53	6.95	9.89
γ 65.0	10.46	7.06	6.55	9.41
γ 66.0	9.94	6.63	6.25	9.00
γ 67.0	9.43	6.24	5.94	8.58
γ 68.0	8.89	5.85	5.64	8.15
γ 69.0	8.35	5.43	5.32	7.71
γ 70.0	7.87	4.97	4.98	7.33
γ 71.0	7.44	4.57	4.61	6.99
γ 72.0	7.00	4.22	4.32	6.69
γ 73.0	6.57	3.90	4.02	6.33
γ 74.0	6.09	3.55	3.70	5.99
γ 75.0	5.62	3.17	3.35	5.58
γ 76.0	5.25	2.85	3.01	5.24
γ 77.0	4.88	2.57	2.74	4.93
γ 78.0	4.51	2.29	2.49	4.63
γ 79.0	4.11	1.99	2.22	4.28
γ 80.0	3.75	1.69	1.87	3.89
γ 81.0	3.43	1.47	1.61	3.58
γ 82.0	3.13	1.31	1.39	3.30
γ 83.0	2.82	1.12	1.21	3.01
γ 84.0	2.47	0.88	1.03	2.64
γ 85.0	2.22	0.72	0.83	2.33
γ 86.0	1.99	0.48	0.64	2.10
γ 87.0	1.75	0.28	0.44	1.88
γ 88.0	1.47	0.20	0.32	1.65
γ 89.0	1.27	0.15	0.27	1.41
γ 90.0	1.07	0.09	0.23	1.21
γ 91.0	0.87	0.04	0.17	0.98
γ 92.0	0.73	0.00	0.13	0.87
γ 93.0	0.66	0.00	0.08	0.77

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.58	0.00	0.03	0.70
γ 95.0	0.52	0.00	0.00	0.64
γ 96.0	0.46	0.00	0.00	0.59
γ 97.0	0.40	0.00	0.00	0.52
γ 98.0	0.35	0.00	0.00	0.46
γ 99.0	0.30	0.00	0.00	0.41
γ 100.0	0.25	0.00	0.00	0.36
γ 101.0	0.20	0.00	0.00	0.32
γ 102.0	0.15	0.00	0.00	0.27
γ 103.0	0.12	0.00	0.00	0.24
γ 104.0	0.09	0.00	0.00	0.21
γ 105.0	0.06	0.00	0.00	0.17
γ 106.0	0.04	0.00	0.00	0.14
γ 107.0	0.01	0.00	0.00	0.13
γ 108.0	0.00	0.00	0.00	0.10
γ 109.0	0.00	0.00	0.00	0.09
γ 110.0	0.00	0.00	0.00	0.07
γ 111.0	0.00	0.00	0.00	0.06
γ 112.0	0.00	0.00	0.00	0.06
γ 113.0	0.00	0.00	0.00	0.06
γ 114.0	0.00	0.00	0.00	0.07
γ 115.0	0.00	0.00	0.00	0.07
γ 116.0	0.00	0.00	0.00	0.08
γ 117.0	0.00	0.00	0.00	0.09
γ 118.0	0.00	0.00	0.00	0.09
γ 119.0	0.00	0.00	0.02	0.12
γ 120.0	0.01	0.00	0.07	0.14
γ 121.0	0.04	0.00	0.10	0.16
γ 122.0	0.06	0.00	0.15	0.18
γ 123.0	0.09	0.04	0.19	0.21
γ 124.0	0.11	0.09	0.23	0.24
γ 125.0	0.16	0.13	0.28	0.27
γ 126.0	0.19	0.18	0.32	0.30
γ 127.0	0.22	0.22	0.37	0.34
γ 128.0	0.26	0.29	0.43	0.39
γ 129.0	0.31	0.34	0.48	0.43
γ 130.0	0.34	0.38	0.54	0.47
γ 131.0	0.39	0.44	0.60	0.51
γ 132.0	0.44	0.50	0.65	0.56
γ 133.0	0.49	0.56	0.72	0.60
γ 134.0	0.54	0.62	0.78	0.65
γ 135.0	0.59	0.68	0.84	0.71
γ 136.0	0.65	0.75	0.90	0.76
γ 137.0	0.70	0.80	0.97	0.82
γ 138.0	0.76	0.87	1.02	0.87
γ 139.0	0.81	0.93	1.09	0.92
γ 140.0	0.88	0.98	1.14	0.98

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	0.93	1.03	1.20	1.03
γ 142.0	0.99	1.09	1.26	1.09
γ 143.0	1.05	1.15	1.31	1.14
γ 144.0	1.11	1.20	1.36	1.20
γ 145.0	1.15	1.25	1.41	1.25
γ 146.0	1.21	1.30	1.47	1.30
γ 147.0	1.27	1.35	1.51	1.35
γ 148.0	1.30	1.40	1.56	1.40
γ 149.0	1.36	1.44	1.61	1.45
γ 150.0	1.40	1.50	1.64	1.49
γ 151.0	1.45	1.54	1.70	1.54
γ 152.0	1.50	1.60	1.75	1.59
γ 153.0	1.56	1.64	1.80	1.63
γ 154.0	1.61	1.71	1.84	1.68
γ 155.0	1.66	1.75	1.90	1.73
γ 156.0	1.71	1.80	1.94	1.78
γ 157.0	1.75	1.85	2.00	1.82
γ 158.0	1.81	1.90	2.04	1.87
γ 159.0	1.87	1.95	2.09	1.92
γ 160.0	1.91	2.01	2.13	1.97
γ 161.0	1.97	2.05	2.17	2.00
γ 162.0	2.02	2.10	2.22	2.06
γ 163.0	2.07	2.14	2.26	2.10
γ 164.0	2.13	2.19	2.31	2.15
γ 165.0	2.17	2.24	2.36	2.19
γ 166.0	2.22	2.29	2.39	2.25
γ 167.0	2.28	2.33	2.43	2.28
γ 168.0	2.32	2.38	2.46	2.32
γ 169.0	2.37	2.42	2.50	2.37
γ 170.0	2.41	2.46	2.54	2.42
γ 171.0	2.46	2.50	2.58	2.45
γ 172.0	2.51	2.54	2.60	2.50
γ 173.0	2.56	2.58	2.63	2.54
γ 174.0	2.60	2.60	2.66	2.57
γ 175.0	2.63	2.62	2.68	2.60
γ 176.0	2.66	2.64	2.70	2.63
γ 177.0	2.69	2.66	2.72	2.66
γ 178.0	2.72	2.67	2.72	2.69
γ 179.0	2.73	2.66	2.73	2.72
γ 180.0	2.72	2.72	2.72	2.72