

Indoor Luminaire Photometric Data

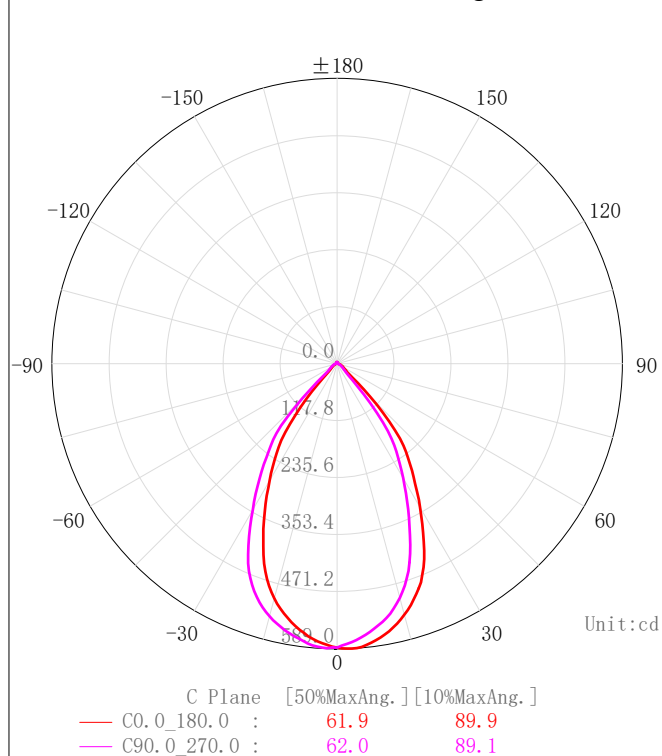
Description Information

Luminary Name: HCP-809024-5700K 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

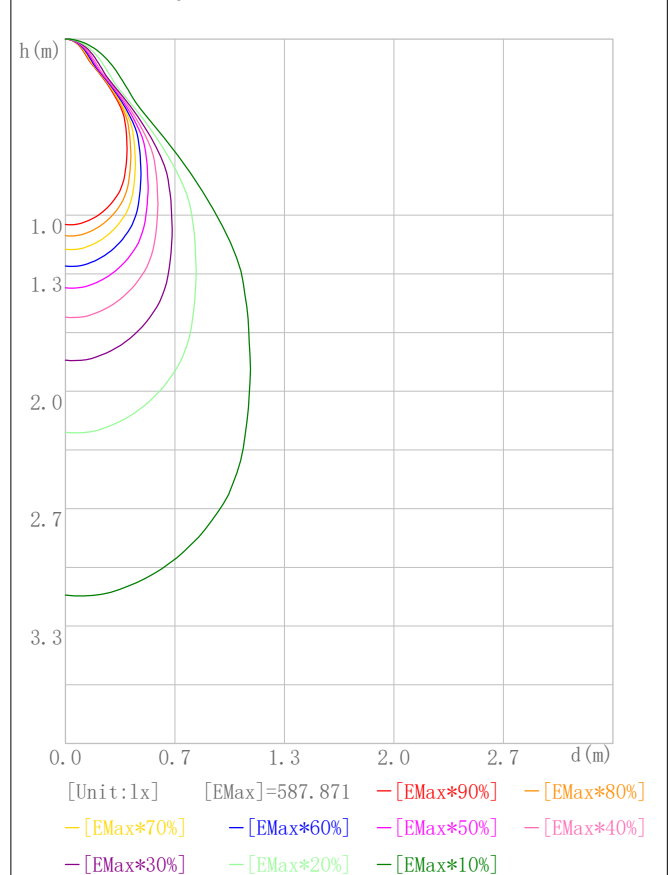
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 615.540	Luminary Flux(lm): 615.535	Field Angle(10%Imax): 89.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 611.011lm 99.27%
Rated Voltage(V):	Luminary EER(lm/W): 70.939	Up Lumens&Percent: 4.524lm 0.73%
Tested Power(W): 8.677	Max. Candela(cd): 589.050	S/MH: C0_a180=0.927 C90_270=0.930
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=3.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.4, 0.039, 0.909	Beam Angle(50%Imax): 61.9(°)	ErP Φ use(90°): 544.792lm
Lamp Size (W*L*H): 0.050m*0.000m*0.080m	Left=-28.8°, Right=33.1°	IRF (%): 199.174

C Plane Distribution Diagram



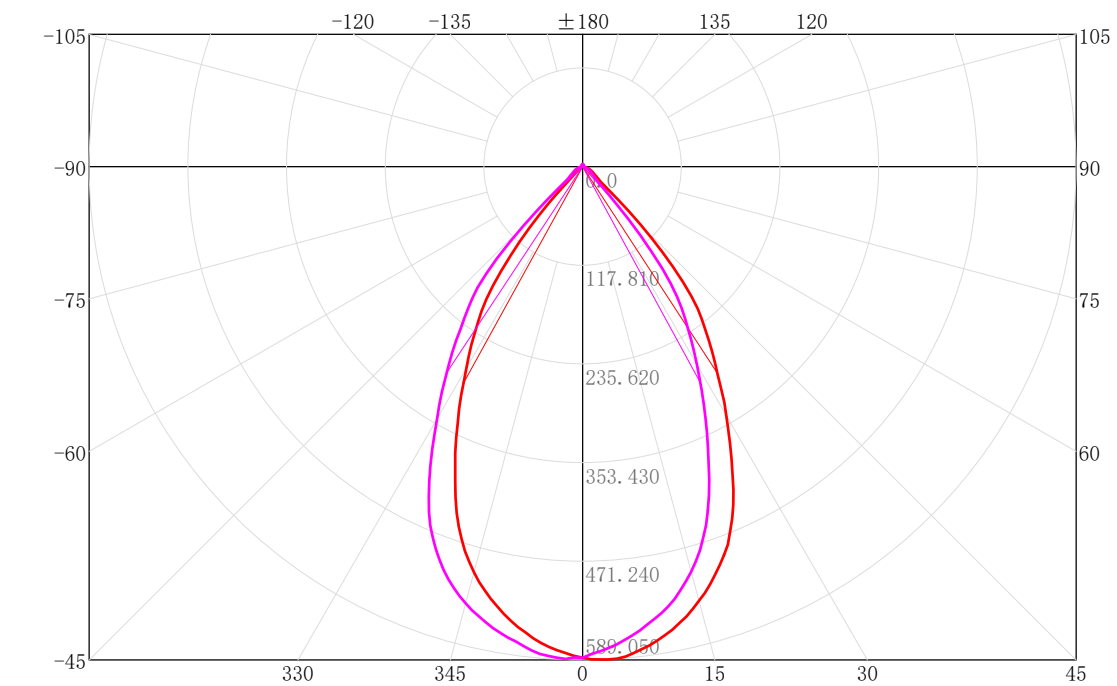
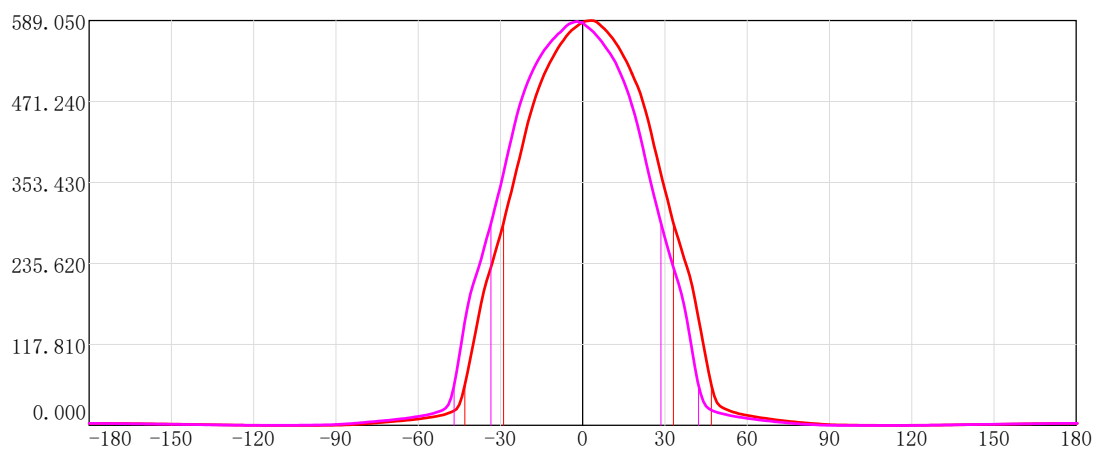
C0 Space ISO Illuminance Curve



2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-809024-5700K 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.]

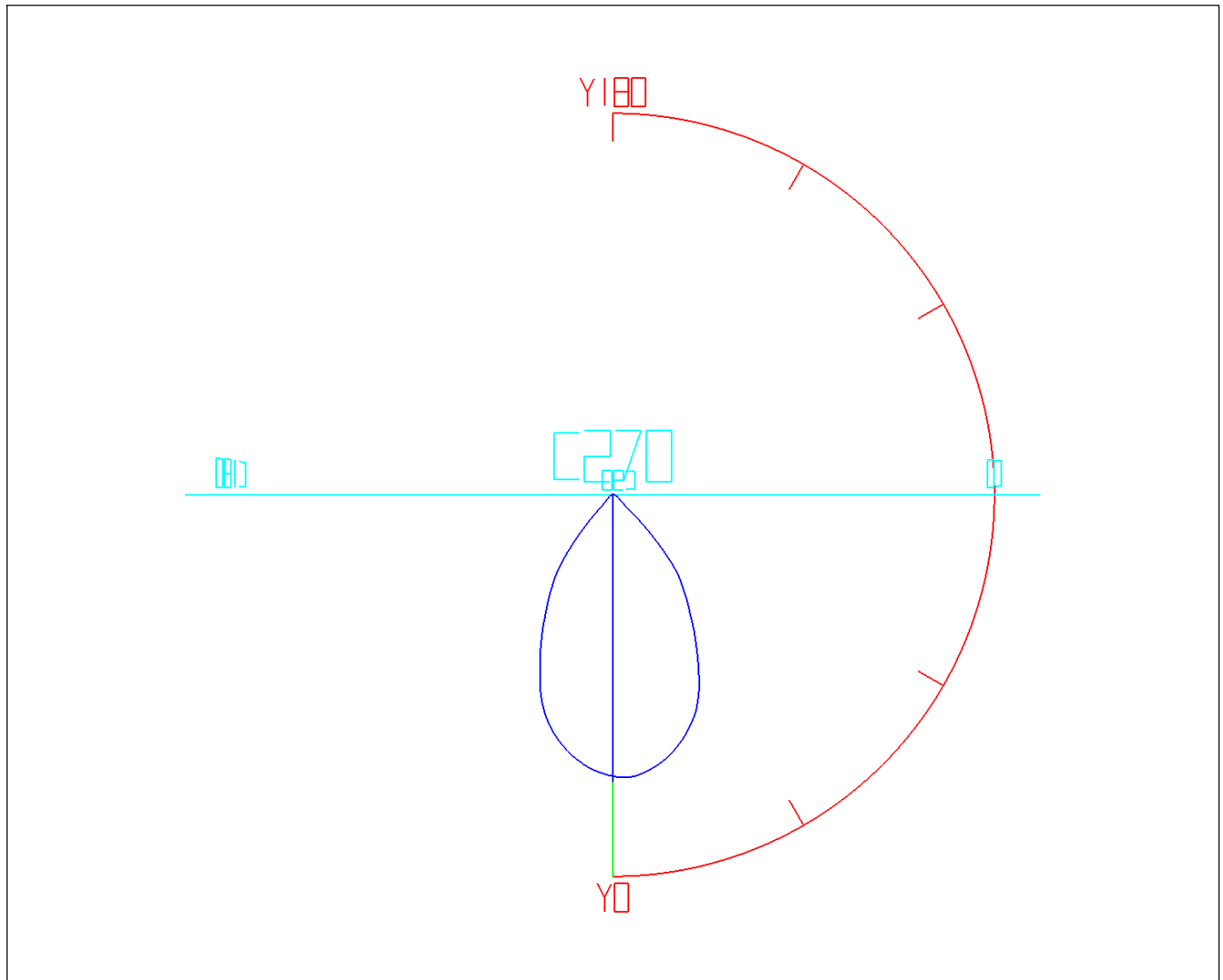
— C0.0_180.0 :	61.9	89.9
— C90.0_270.0 :	62.0	89.1

Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: HCP-809024-5700K 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	0.56	0.56	0.09	0.09	47.0-48.0	2.84	576.26	0.46	93.62
1.0-2.0	1.68	2.24	0.27	0.36	48.0-49.0	2.30	578.55	0.37	93.99
2.0-3.0	2.79	5.03	0.45	0.82	49.0-50.0	1.96	580.51	0.32	94.31
3.0-4.0	3.89	8.92	0.63	1.45	50.0-51.0	1.78	582.29	0.29	94.60
4.0-5.0	4.98	13.90	0.81	2.26	51.0-52.0	1.67	583.96	0.27	94.87
5.0-6.0	6.05	19.95	0.98	3.24	52.0-53.0	1.59	585.55	0.26	95.13
6.0-7.0	7.09	27.04	1.15	4.39	53.0-54.0	1.50	587.05	0.24	95.37
7.0-8.0	8.11	35.15	1.32	5.71	54.0-55.0	1.43	588.48	0.23	95.60
8.0-9.0	9.11	44.25	1.48	7.19	55.0-56.0	1.36	589.84	0.22	95.82
9.0-10.0	10.08	54.33	1.64	8.83	56.0-57.0	1.30	591.14	0.21	96.04
10.0-11.0	11.02	65.35	1.79	10.62	57.0-58.0	1.25	592.39	0.20	96.24
11.0-12.0	11.92	77.26	1.94	12.55	58.0-59.0	1.20	593.59	0.19	96.43
12.0-13.0	12.78	90.05	2.08	14.63	59.0-60.0	1.15	594.74	0.19	96.62
13.0-14.0	13.60	103.65	2.21	16.84	60.0-61.0	1.10	595.84	0.18	96.80
14.0-15.0	14.38	118.02	2.34	19.17	61.0-62.0	1.06	596.90	0.17	96.97
15.0-16.0	15.10	133.12	2.45	21.63	62.0-63.0	1.01	597.91	0.16	97.14
16.0-17.0	15.77	148.89	2.56	24.19	63.0-64.0	0.97	598.88	0.16	97.29
17.0-18.0	16.36	165.25	2.66	26.85	64.0-65.0	0.92	599.80	0.15	97.44
18.0-19.0	16.88	182.13	2.74	29.59	65.0-66.0	0.88	600.69	0.14	97.59
19.0-20.0	17.34	199.47	2.82	32.41	66.0-67.0	0.85	601.53	0.14	97.72
20.0-21.0	17.69	217.16	2.87	35.28	67.0-68.0	0.81	602.34	0.13	97.86
21.0-22.0	17.95	235.11	2.92	38.20	68.0-69.0	0.77	603.11	0.12	97.98
22.0-23.0	18.11	253.23	2.94	41.14	69.0-70.0	0.73	603.83	0.12	98.10
23.0-24.0	18.21	271.44	2.96	44.10	70.0-71.0	0.69	604.52	0.11	98.21
24.0-25.0	18.21	289.65	2.96	47.06	71.0-72.0	0.65	605.17	0.11	98.31
25.0-26.0	18.11	307.76	2.94	50.00	72.0-73.0	0.61	605.78	0.10	98.41
26.0-27.0	17.95	325.71	2.92	52.91	73.0-74.0	0.58	606.36	0.09	98.51
27.0-28.0	17.75	343.46	2.88	55.80	74.0-75.0	0.54	606.89	0.09	98.60
28.0-29.0	17.47	360.93	2.84	58.64	75.0-76.0	0.50	607.39	0.08	98.68
29.0-30.0	17.16	378.09	2.79	61.42	76.0-77.0	0.46	607.85	0.07	98.75
30.0-31.0	16.86	394.95	2.74	64.16	77.0-78.0	0.43	608.28	0.07	98.82
31.0-32.0	16.52	411.48	2.68	66.85	78.0-79.0	0.39	608.67	0.06	98.88
32.0-33.0	16.11	427.59	2.62	69.47	79.0-80.0	0.36	609.03	0.06	98.94
33.0-34.0	15.69	443.28	2.55	72.01	80.0-81.0	0.32	609.35	0.05	98.99
34.0-35.0	15.28	458.56	2.48	74.50	81.0-82.0	0.29	609.64	0.05	99.04
35.0-36.0	14.79	473.35	2.40	76.90	82.0-83.0	0.26	609.90	0.04	99.08
36.0-37.0	14.17	487.52	2.30	79.20	83.0-84.0	0.23	610.14	0.04	99.12
37.0-38.0	13.43	500.95	2.18	81.38	84.0-85.0	0.20	610.34	0.03	99.16
38.0-39.0	12.59	513.53	2.04	83.43	85.0-86.0	0.18	610.52	0.03	99.18
39.0-40.0	11.63	525.17	1.89	85.32	86.0-87.0	0.15	610.67	0.02	99.21
40.0-41.0	10.55	535.72	1.71	87.03	87.0-88.0	0.13	610.80	0.02	99.23
41.0-42.0	9.34	545.06	1.52	88.55	88.0-89.0	0.11	610.91	0.02	99.25
42.0-43.0	8.04	553.10	1.31	89.86	89.0-90.0	0.10	611.01	0.02	99.26
43.0-44.0	6.74	559.84	1.09	90.95	90.0-91.0	0.08	611.09	0.01	99.28
44.0-45.0	5.53	565.37	0.90	91.85	91.0-92.0	0.07	611.16	0.01	99.29
45.0-46.0	4.48	569.85	0.73	92.58	92.0-93.0	0.06	611.22	0.01	99.30
46.0-47.0	3.57	573.42	0.58	93.16	93.0-94.0	0.05	611.27	0.01	99.31

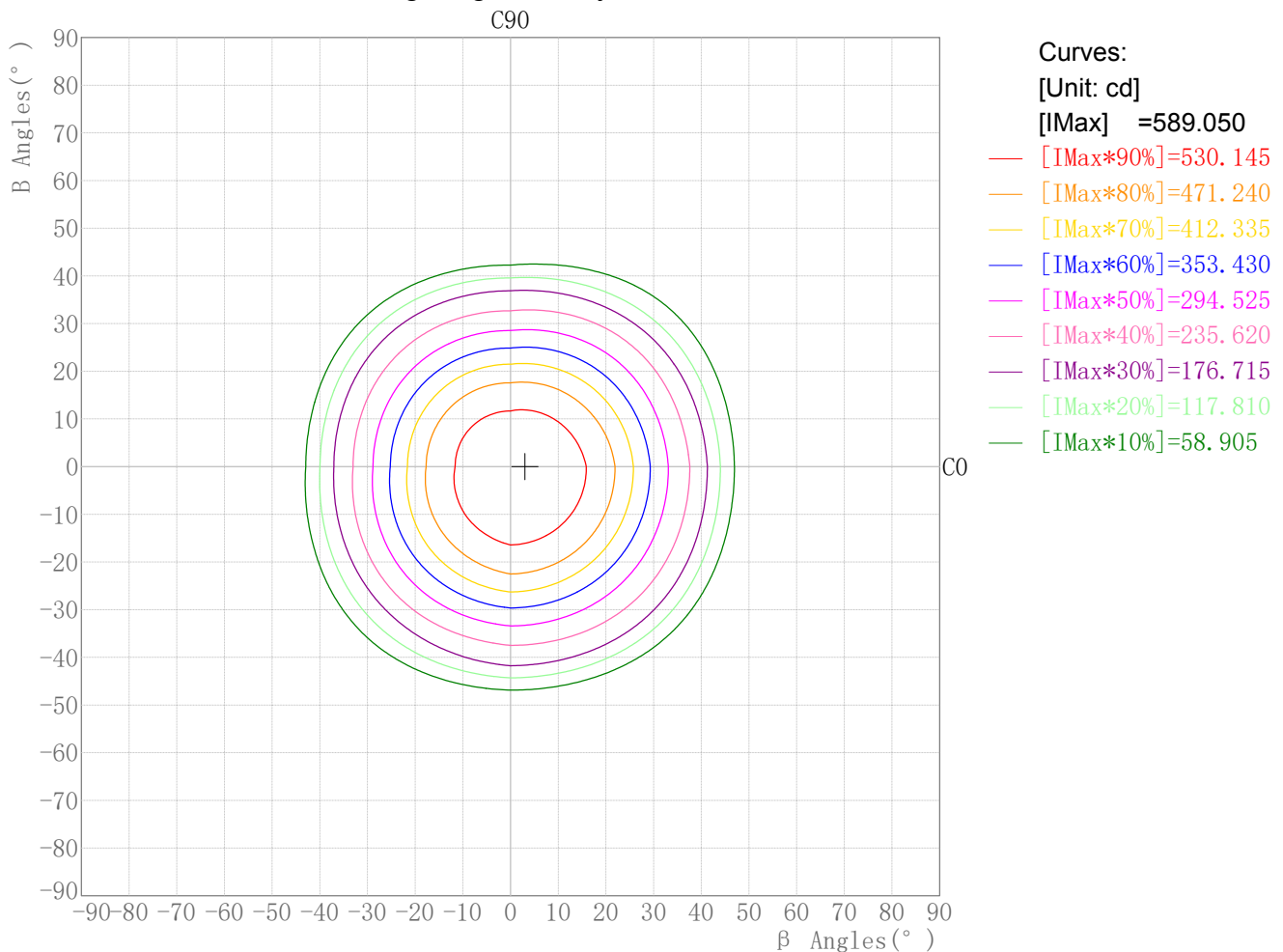
Zonal Flux Tabulation - (Cont.)

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	0.05	611.32	0.01	99.31	141.0-142.0	0.09	612.88	0.01	99.57
95.0-96.0	0.04	611.36	0.01	99.32	142.0-143.0	0.09	612.97	0.01	99.58
96.0-97.0	0.04	611.40	0.01	99.33	143.0-144.0	0.09	613.06	0.01	99.60
97.0-98.0	0.03	611.43	0.01	99.33	144.0-145.0	0.09	613.16	0.02	99.61
98.0-99.0	0.03	611.46	0.00	99.34	145.0-146.0	0.09	613.25	0.02	99.63
99.0-100.0	0.03	611.48	0.00	99.34	146.0-147.0	0.09	613.34	0.02	99.64
100.0-101.0	0.02	611.51	0.00	99.34	147.0-148.0	0.10	613.44	0.02	99.66
101.0-102.0	0.02	611.53	0.00	99.35	148.0-149.0	0.10	613.54	0.02	99.67
102.0-103.0	0.02	611.54	0.00	99.35	149.0-150.0	0.10	613.63	0.02	99.69
103.0-104.0	0.02	611.56	0.00	99.35	150.0-151.0	0.10	613.73	0.02	99.71
104.0-105.0	0.01	611.57	0.00	99.36	151.0-152.0	0.10	613.82	0.02	99.72
105.0-106.0	0.01	611.58	0.00	99.36	152.0-153.0	0.10	613.92	0.02	99.74
106.0-107.0	0.01	611.59	0.00	99.36	153.0-154.0	0.09	614.01	0.02	99.75
107.0-108.0	0.01	611.60	0.00	99.36	154.0-155.0	0.09	614.11	0.02	99.77
108.0-109.0	0.01	611.61	0.00	99.36	155.0-156.0	0.09	614.20	0.02	99.78
109.0-110.0	0.01	611.62	0.00	99.36	156.0-157.0	0.09	614.29	0.01	99.80
110.0-111.0	0.01	611.63	0.00	99.36	157.0-158.0	0.09	614.38	0.01	99.81
111.0-112.0	0.01	611.63	0.00	99.37	158.0-159.0	0.09	614.47	0.01	99.83
112.0-113.0	0.01	611.64	0.00	99.37	159.0-160.0	0.09	614.55	0.01	99.84
113.0-114.0	0.01	611.65	0.00	99.37	160.0-161.0	0.08	614.64	0.01	99.85
114.0-115.0	0.01	611.65	0.00	99.37	161.0-162.0	0.08	614.72	0.01	99.87
115.0-116.0	0.01	611.66	0.00	99.37	162.0-163.0	0.08	614.80	0.01	99.88
116.0-117.0	0.01	611.67	0.00	99.37	163.0-164.0	0.08	614.87	0.01	99.89
117.0-118.0	0.01	611.68	0.00	99.37	164.0-165.0	0.07	614.95	0.01	99.90
118.0-119.0	0.01	611.69	0.00	99.37	165.0-166.0	0.07	615.02	0.01	99.92
119.0-120.0	0.01	611.71	0.00	99.38	166.0-167.0	0.07	615.08	0.01	99.93
120.0-121.0	0.02	611.72	0.00	99.38	167.0-168.0	0.06	615.15	0.01	99.94
121.0-122.0	0.02	611.74	0.00	99.38	168.0-169.0	0.06	615.21	0.01	99.95
122.0-123.0	0.02	611.77	0.00	99.39	169.0-170.0	0.05	615.26	0.01	99.95
123.0-124.0	0.03	611.79	0.00	99.39	170.0-171.0	0.05	615.31	0.01	99.96
124.0-125.0	0.03	611.82	0.00	99.40	171.0-172.0	0.05	615.36	0.01	99.97
125.0-126.0	0.03	611.86	0.01	99.40	172.0-173.0	0.04	615.40	0.01	99.98
126.0-127.0	0.04	611.89	0.01	99.41	173.0-174.0	0.04	615.43	0.01	99.98
127.0-128.0	0.04	611.94	0.01	99.41	174.0-175.0	0.03	615.46	0.01	99.99
128.0-129.0	0.04	611.98	0.01	99.42	175.0-176.0	0.03	615.49	0.00	99.99
129.0-130.0	0.05	612.03	0.01	99.43	176.0-177.0	0.02	615.51	0.00	100.00
130.0-131.0	0.05	612.08	0.01	99.44	177.0-178.0	0.01	615.52	0.00	100.00
131.0-132.0	0.06	612.14	0.01	99.45	178.0-179.0	0.01	615.53	0.00	100.00
132.0-133.0	0.06	612.20	0.01	99.46	179.0-180.0	0.00	615.54	0.00	100.00
133.0-134.0	0.06	612.26	0.01	99.47					
134.0-135.0	0.07	612.33	0.01	99.48					
135.0-136.0	0.07	612.40	0.01	99.49					
136.0-137.0	0.07	612.47	0.01	99.50					
137.0-138.0	0.08	612.55	0.01	99.51					
138.0-139.0	0.08	612.63	0.01	99.53					
139.0-140.0	0.08	612.71	0.01	99.54					
140.0-141.0	0.09	612.79	0.01	99.55					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HCP-809024-5700K 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



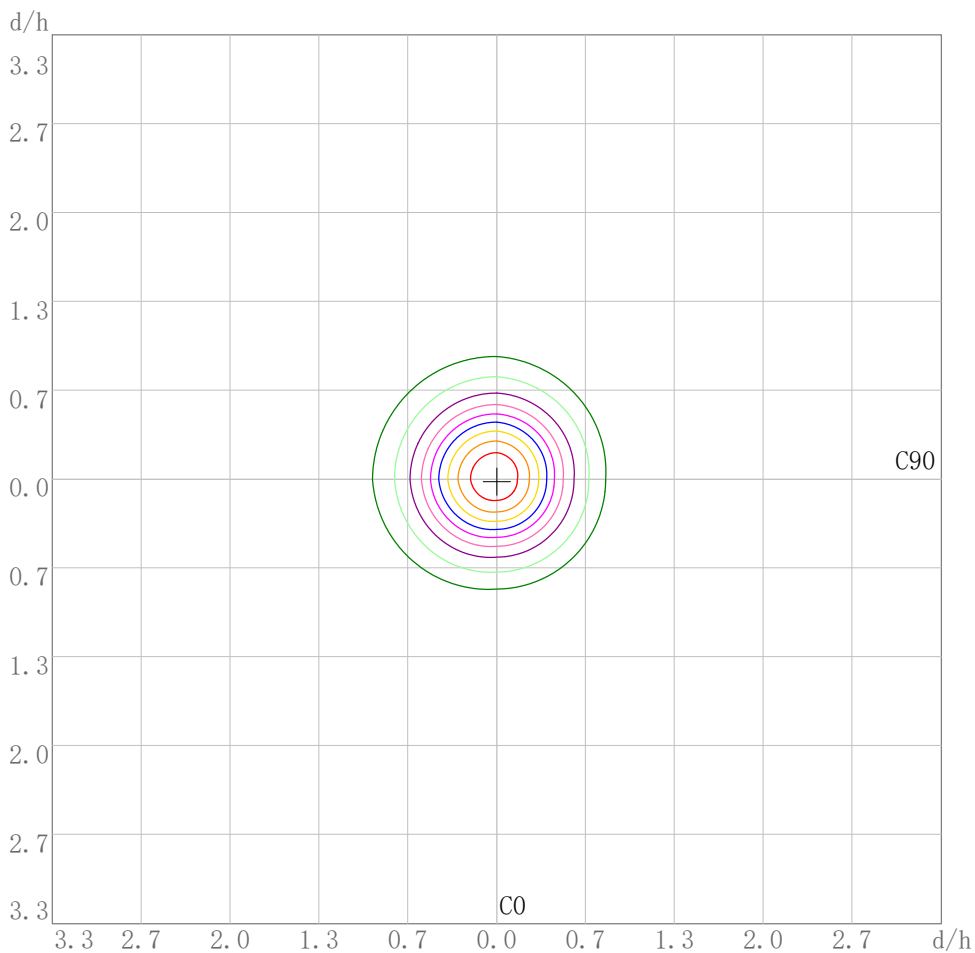
Maximum Light Intensity(cd): 589.05

Maximum Cand.@Angle: H=3.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HCP-809024-5700K 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] = 65.319

— [EMax*90%]=58.787

— [EMax*80%]=52.255

— [EMax*70%]=45.723

— [EMax*60%]=39.191

— [EMax*50%]=32.660

— [EMax*40%]=26.128

— [EMax*30%]=19.596

— [EMax*20%]=13.064

— [EMax*10%]=6.532

Working Plane Luminaire Mounting Height(m): 3.00

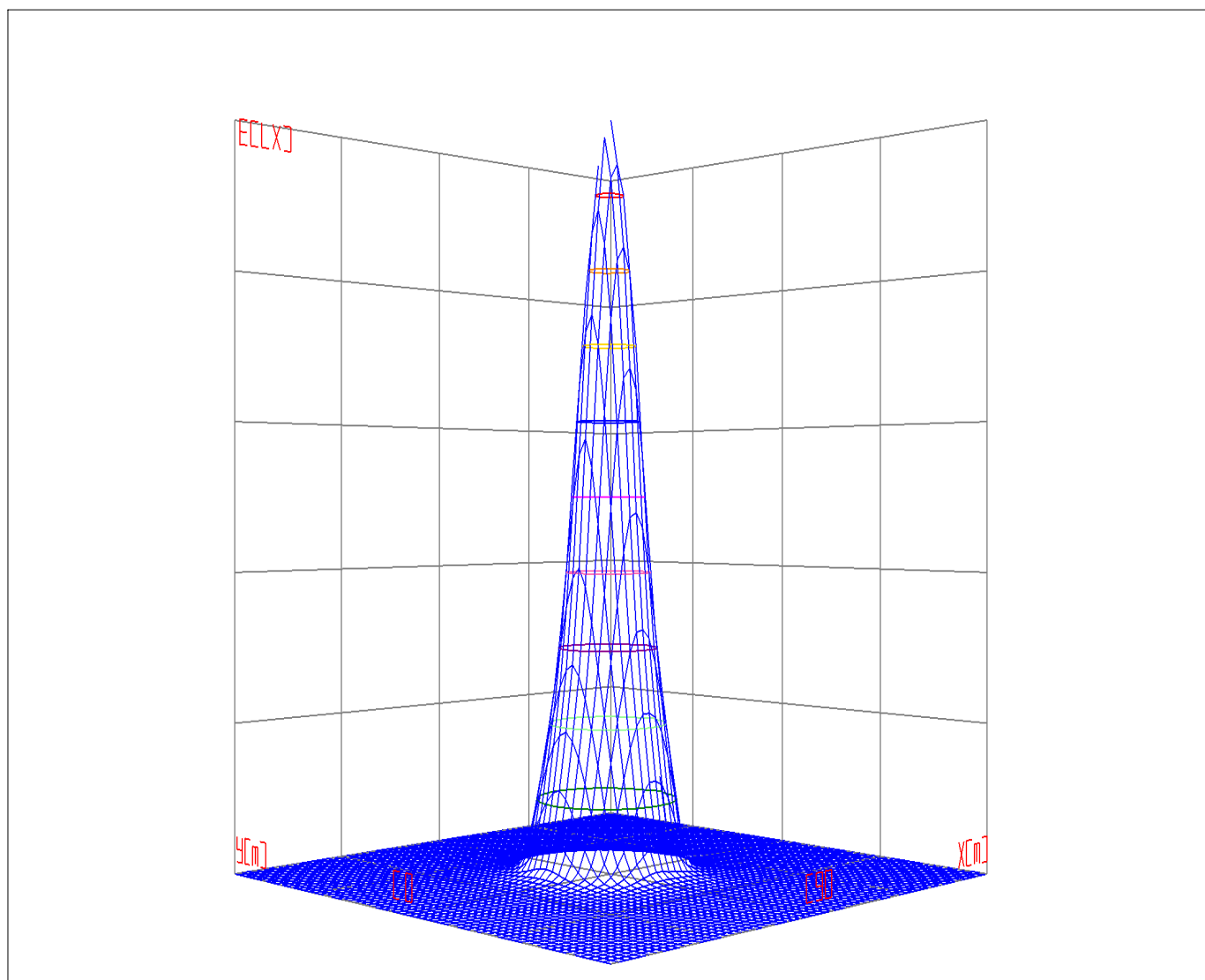
Working Plane Maximum Illuminance(lx): 65.32

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

3D Plane ISO Illuminance Diagram

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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

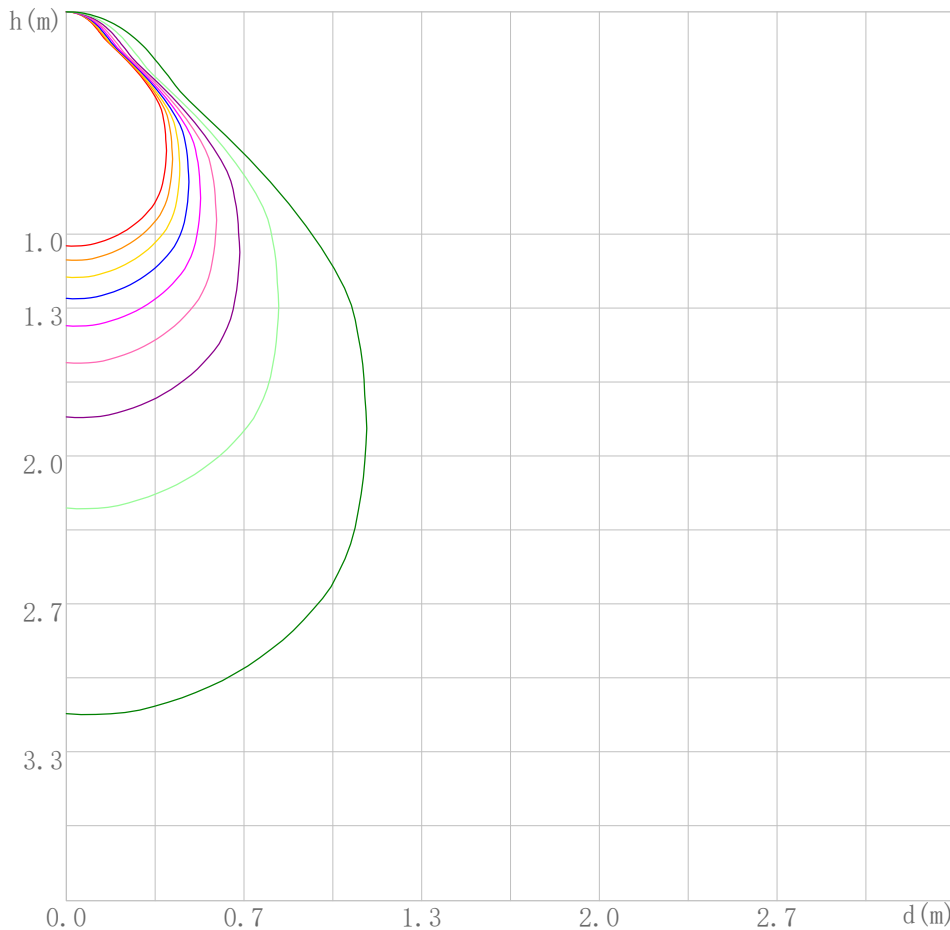


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: HCP-809024-5700K 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

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[E_{Max}] =587.871

— [E_{Max}*90%]=529.084

— [E_{Max}*80%]=470.297

— [E_{Max}*70%]=411.510

— [E_{Max}*60%]=352.723

— [E_{Max}*50%]=293.936

— [E_{Max}*40%]=235.149

— [E_{Max}*30%]=176.361

— [E_{Max}*20%]=117.574

— [E_{Max}*10%]=58.787

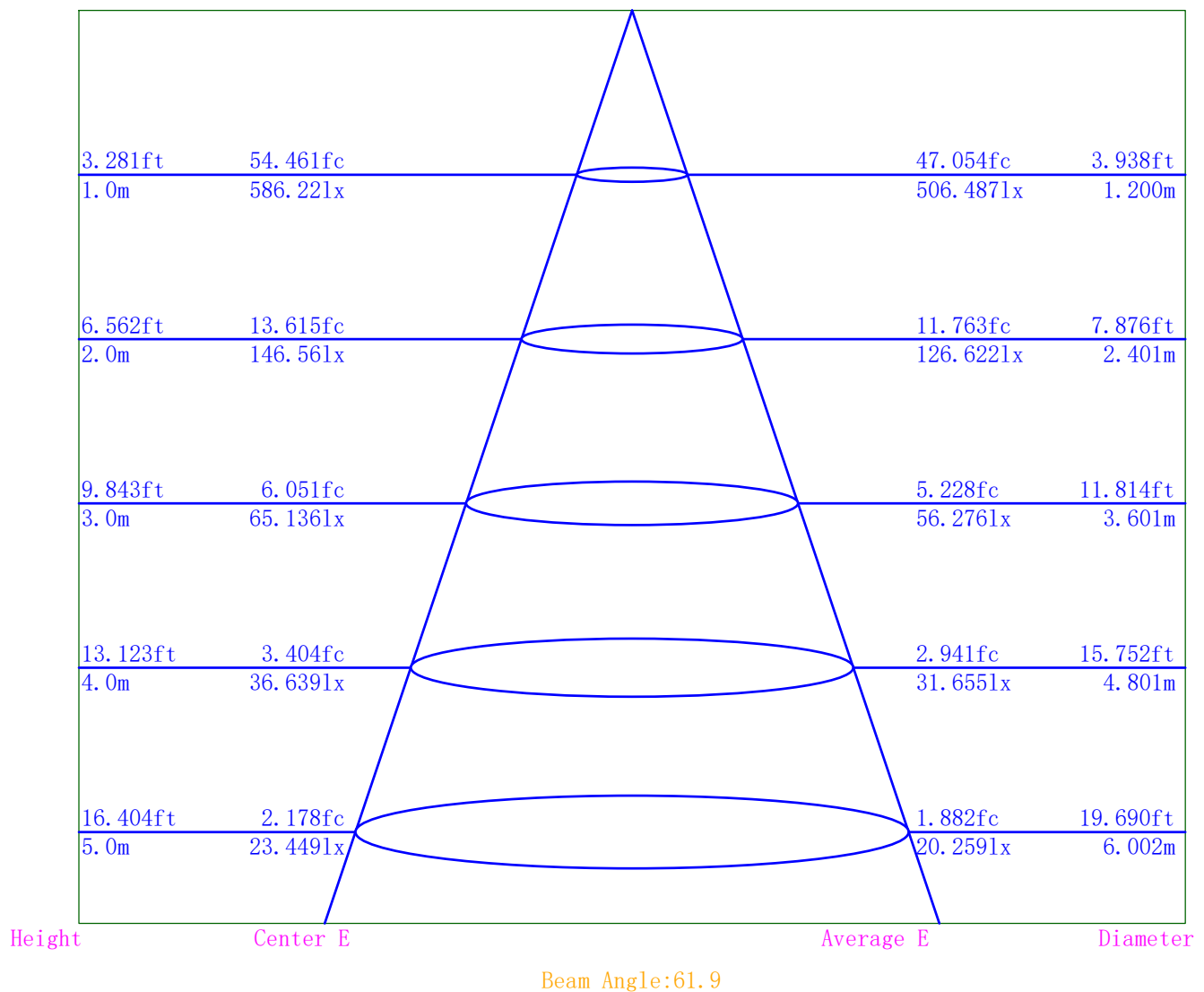
Space Plane Maximum Illuminance and @Angle:587.87lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:589.050cd,0deg

Illuminance-Distance Diagram

Lum. Name: HCP-809024-5700K 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

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: HCP-809024-5700K 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

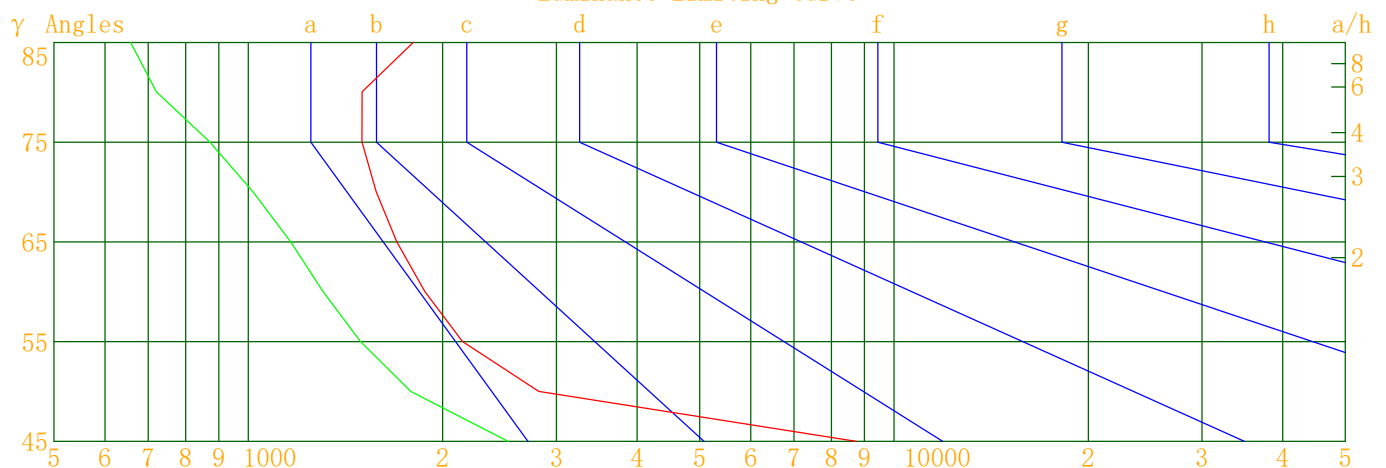
Glare Grade Table

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	8744	2818	2147	1877	1697	1578	1499	1501	1800
C90	2525	1785	1492	1306	1163	1017	871	720	657

Luminance Limiting Curve



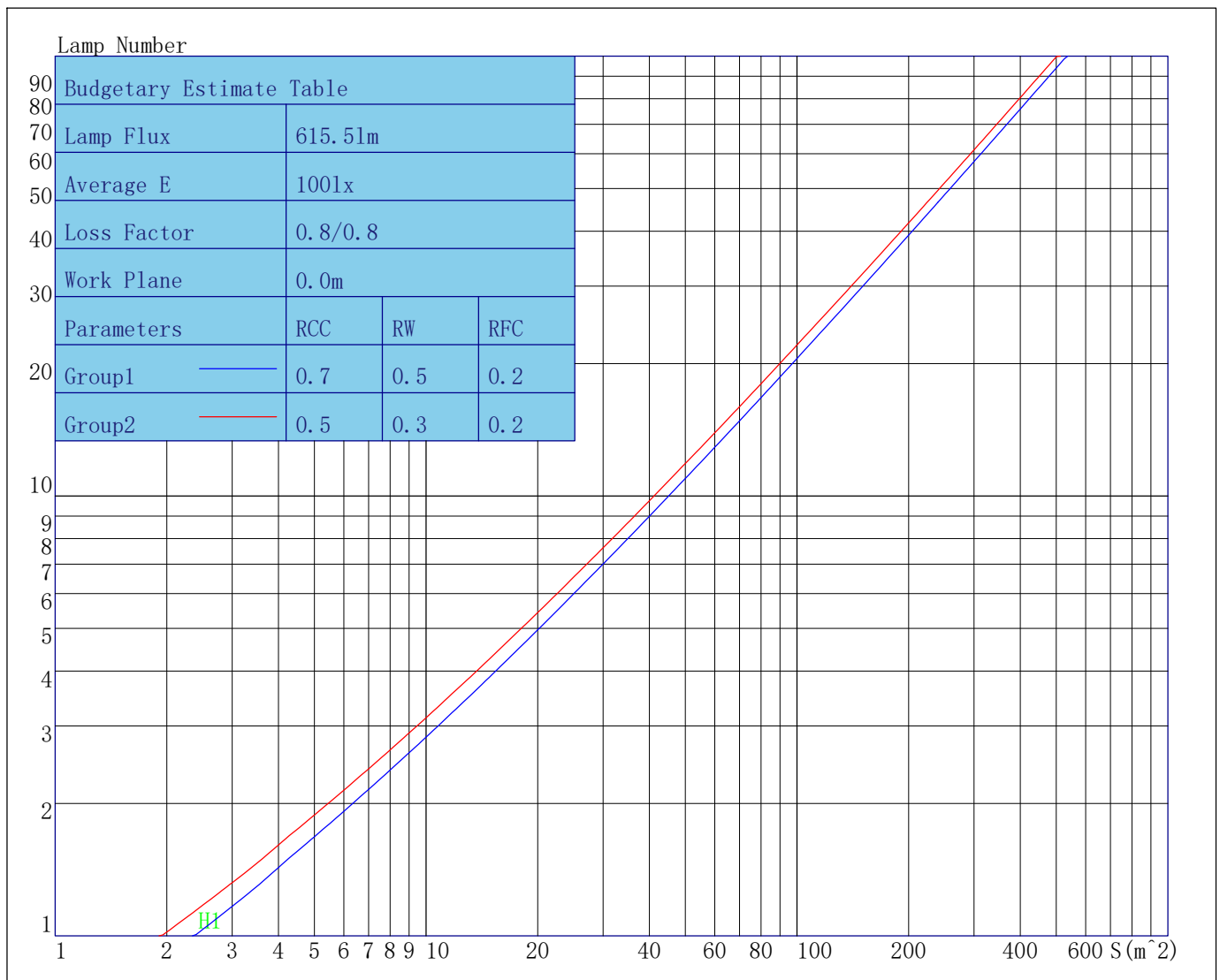
Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.080 Area(m²)=0.015708

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: HCP-809024-5700K 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-809024-5700K 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	94	93	91
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	88	84	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	87	81	76	93	85	80	75	83	78	74	81	77	74	79	75	73	71
5	90	81	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	65
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	65	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	47	56	51	47	55	50	47	46

Unified Glare Rating Table

Lum. Name: HCP-809024-5700K 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	16.3	17.4	16.7	17.7	18.1	13.8	14.9	14.1	15.2	15.5
	16.3	17.3	16.7	17.7	18.0	13.8	14.8	14.2	15.1	15.5
	16.3	17.3	16.8	17.6	18.0	13.8	14.7	14.2	15.1	15.5
	16.4	17.2	16.8	17.6	18.0	13.8	14.6	14.2	15.0	15.4
	16.4	17.2	16.8	17.6	18.0	13.7	14.5	14.2	14.9	15.4
	16.4	17.2	16.8	17.5	18.0	13.7	14.5	14.1	14.9	15.3
X=4H Y=2H	16.1	17.0	16.5	17.4	17.8	13.6	14.5	14.0	14.9	15.3
	16.2	17.0	16.6	17.4	17.8	13.7	14.5	14.1	14.9	15.3
	16.3	17.0	16.7	17.4	17.9	13.8	14.5	14.2	14.9	15.4
	16.4	17.0	16.8	17.4	17.9	13.8	14.4	14.3	14.9	15.3
	16.4	17.0	16.9	17.4	17.9	13.8	14.3	14.2	14.8	15.3
	16.4	16.9	16.9	17.4	17.9	13.7	14.3	14.2	14.8	15.2
X=8H Y=4H	16.2	16.8	16.7	17.2	17.7	13.7	14.3	14.2	14.7	15.2
	16.3	16.8	16.8	17.3	17.9	13.8	14.2	14.3	14.8	15.3
	16.4	16.8	16.9	17.4	17.9	13.8	14.2	14.3	14.7	15.2
	16.5	16.9	17.0	17.4	18.0	13.8	14.2	14.3	14.7	15.3
X=12H Y=4H	16.1	16.6	16.6	17.1	17.6	13.7	14.2	14.2	14.7	15.2
	16.3	16.7	16.8	17.2	17.8	13.7	14.2	14.3	14.7	15.2
	16.4	16.8	16.9	17.3	17.9	13.8	14.2	14.3	14.7	15.3
Variations with the observer position at spacings										
S=1.0H	0.3/-0.3					0.5/-0.6				
S=1.5H	0.6/-0.7					1.0/-1.1				
S=2.0H	0.8/-0.9					1.3/-1.5				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.7					0.6				

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	C270.0
γ 0.0	586.22	586.22	586.22	586.22
γ 1.0	588.14	582.15	584.20	586.13
γ 2.0	588.70	579.11	581.02	587.99
γ 3.0	589.05	575.71	578.16	587.02
γ 4.0	588.71	572.02	574.77	585.57
γ 5.0	587.15	567.50	570.71	584.00
γ 6.0	583.82	562.99	566.07	580.85
γ 7.0	580.28	558.13	560.18	576.82
γ 8.0	576.81	552.25	555.07	572.53
γ 9.0	572.46	546.70	548.90	569.39
γ 10.0	567.74	541.22	542.12	565.15
γ 11.0	562.94	534.84	534.69	561.16
γ 12.0	556.70	527.87	527.34	556.04
γ 13.0	550.96	518.80	519.22	550.84
γ 14.0	543.78	509.80	511.00	545.89
γ 15.0	536.48	500.62	501.26	539.58
γ 16.0	529.38	490.07	491.04	533.19
γ 17.0	521.08	478.85	480.11	525.96
γ 18.0	511.93	465.58	467.49	518.04
γ 19.0	502.71	452.65	454.18	509.35
γ 20.0	493.55	436.86	439.78	499.66
γ 21.0	483.42	420.56	423.14	489.09
γ 22.0	469.97	403.52	405.89	477.58
γ 23.0	456.73	385.07	389.07	465.46
γ 24.0	442.16	367.78	373.92	451.08
γ 25.0	425.76	351.20	357.08	434.60
γ 26.0	408.02	334.79	340.16	417.48
γ 27.0	391.35	318.60	324.69	400.05
γ 28.0	374.72	302.70	308.94	382.62
γ 29.0	358.10	287.47	291.89	364.67
γ 30.0	342.73	272.92	277.61	347.28
γ 31.0	328.13	258.67	264.29	332.37
γ 32.0	311.56	244.71	250.56	316.81
γ 33.0	295.78	231.35	236.05	300.52
γ 34.0	282.63	218.75	223.26	285.90
γ 35.0	269.60	205.85	210.18	271.84
γ 36.0	256.27	191.54	195.67	257.01
γ 37.0	242.82	174.54	177.76	242.01
γ 38.0	230.89	154.46	157.65	228.95
γ 39.0	218.23	131.23	137.00	216.74
γ 40.0	202.17	107.46	116.98	204.60
γ 41.0	182.63	84.10	97.04	190.62
γ 42.0	161.24	63.17	77.19	172.31
γ 43.0	139.68	46.53	58.03	150.08
γ 44.0	117.95	34.92	41.62	125.08
γ 45.0	97.12	28.05	29.96	100.87
γ 46.0	76.70	24.43	23.77	77.06

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	58.09	22.21	21.11	56.08
γ 48.0	43.11	20.58	19.41	40.06
γ 49.0	33.30	19.19	17.86	30.04
γ 50.0	28.45	18.02	16.41	24.90
γ 51.0	25.84	17.02	15.23	22.36
γ 52.0	24.01	16.15	14.39	20.80
γ 53.0	22.40	15.10	13.56	19.48
γ 54.0	20.67	14.16	12.71	18.23
γ 55.0	19.34	13.44	12.11	17.08
γ 56.0	18.30	12.84	11.56	15.98
γ 57.0	17.09	12.20	11.02	15.11
γ 58.0	16.21	11.53	10.46	14.34
γ 59.0	15.44	10.84	9.83	13.65
γ 60.0	14.74	10.25	9.30	13.07
γ 61.0	14.05	9.74	8.86	12.47
γ 62.0	13.32	9.28	8.44	11.85
γ 63.0	12.52	8.80	8.02	11.21
γ 64.0	11.87	8.24	7.60	10.60
γ 65.0	11.27	7.72	7.17	10.12
γ 66.0	10.70	7.28	6.86	9.68
γ 67.0	10.15	6.85	6.52	9.25
γ 68.0	9.56	6.42	6.20	8.79
γ 69.0	8.98	5.98	5.86	8.30
γ 70.0	8.48	5.46	5.50	7.93
γ 71.0	8.02	5.05	5.08	7.55
γ 72.0	7.57	4.67	4.77	7.22
γ 73.0	7.10	4.33	4.46	6.86
γ 74.0	6.59	3.94	4.12	6.50
γ 75.0	6.10	3.54	3.73	6.06
γ 76.0	5.69	3.20	3.38	5.69
γ 77.0	5.30	2.90	3.09	5.37
γ 78.0	4.91	2.60	2.82	5.04
γ 79.0	4.47	2.28	2.52	4.67
γ 80.0	4.09	1.97	2.16	4.24
γ 81.0	3.75	1.73	1.87	3.92
γ 82.0	3.43	1.54	1.64	3.60
γ 83.0	3.08	1.34	1.44	3.31
γ 84.0	2.74	1.08	1.25	2.91
γ 85.0	2.46	0.90	1.04	2.59
γ 86.0	2.22	0.68	0.83	2.33
γ 87.0	1.97	0.45	0.62	2.11
γ 88.0	1.66	0.36	0.49	1.86
γ 89.0	1.44	0.30	0.42	1.60
γ 90.0	1.23	0.24	0.37	1.40
γ 91.0	1.03	0.19	0.32	1.17
γ 92.0	0.88	0.14	0.27	1.01
γ 93.0	0.80	0.09	0.22	0.93

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.73	0.05	0.17	0.85
γ 95.0	0.66	0.01	0.14	0.79
γ 96.0	0.60	0.00	0.10	0.72
γ 97.0	0.54	0.00	0.06	0.66
γ 98.0	0.48	0.00	0.03	0.60
γ 99.0	0.43	0.00	0.01	0.54
γ 100.0	0.38	0.00	0.00	0.49
γ 101.0	0.32	0.00	0.00	0.45
γ 102.0	0.29	0.00	0.00	0.40
γ 103.0	0.25	0.00	0.00	0.37
γ 104.0	0.22	0.00	0.00	0.32
γ 105.0	0.18	0.00	0.00	0.29
γ 106.0	0.16	0.00	0.00	0.27
γ 107.0	0.13	0.00	0.00	0.24
γ 108.0	0.11	0.00	0.00	0.22
γ 109.0	0.08	0.00	0.00	0.21
γ 110.0	0.08	0.00	0.00	0.19
γ 111.0	0.08	0.00	0.00	0.18
γ 112.0	0.06	0.00	0.00	0.18
γ 113.0	0.07	0.00	0.00	0.19
γ 114.0	0.07	0.00	0.02	0.18
γ 115.0	0.07	0.00	0.03	0.19
γ 116.0	0.08	0.00	0.06	0.20
γ 117.0	0.09	0.00	0.09	0.20
γ 118.0	0.10	0.00	0.13	0.21
γ 119.0	0.12	0.01	0.17	0.24
γ 120.0	0.14	0.04	0.22	0.27
γ 121.0	0.17	0.09	0.25	0.30
γ 122.0	0.19	0.14	0.29	0.32
γ 123.0	0.22	0.19	0.34	0.34
γ 124.0	0.25	0.23	0.39	0.38
γ 125.0	0.29	0.28	0.44	0.41
γ 126.0	0.33	0.33	0.49	0.45
γ 127.0	0.36	0.38	0.54	0.49
γ 128.0	0.40	0.44	0.60	0.53
γ 129.0	0.45	0.49	0.66	0.58
γ 130.0	0.50	0.54	0.72	0.62
γ 131.0	0.54	0.61	0.79	0.66
γ 132.0	0.60	0.68	0.85	0.72
γ 133.0	0.66	0.74	0.91	0.77
γ 134.0	0.71	0.80	0.97	0.83
γ 135.0	0.76	0.87	1.03	0.88
γ 136.0	0.82	0.93	1.11	0.93
γ 137.0	0.88	0.99	1.16	0.99
γ 138.0	0.94	1.05	1.23	1.04
γ 139.0	1.00	1.12	1.30	1.10
γ 140.0	1.07	1.19	1.36	1.17

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.13	1.24	1.42	1.22
γ 142.0	1.19	1.30	1.47	1.29
γ 143.0	1.25	1.36	1.53	1.35
γ 144.0	1.31	1.41	1.59	1.41
γ 145.0	1.36	1.47	1.65	1.46
γ 146.0	1.42	1.52	1.70	1.50
γ 147.0	1.47	1.58	1.76	1.57
γ 148.0	1.53	1.63	1.81	1.62
γ 149.0	1.58	1.67	1.85	1.66
γ 150.0	1.64	1.74	1.90	1.72
γ 151.0	1.68	1.79	1.95	1.77
γ 152.0	1.74	1.84	2.01	1.82
γ 153.0	1.79	1.90	2.06	1.86
γ 154.0	1.85	1.94	2.11	1.91
γ 155.0	1.90	2.01	2.17	1.96
γ 156.0	1.96	2.05	2.21	2.02
γ 157.0	2.02	2.11	2.25	2.06
γ 158.0	2.07	2.16	2.31	2.11
γ 159.0	2.12	2.22	2.36	2.17
γ 160.0	2.18	2.27	2.41	2.21
γ 161.0	2.24	2.32	2.46	2.27
γ 162.0	2.29	2.37	2.49	2.32
γ 163.0	2.35	2.42	2.55	2.37
γ 164.0	2.40	2.48	2.59	2.41
γ 165.0	2.45	2.53	2.64	2.46
γ 166.0	2.50	2.58	2.69	2.51
γ 167.0	2.56	2.63	2.74	2.56
γ 168.0	2.61	2.68	2.77	2.61
γ 169.0	2.66	2.72	2.82	2.66
γ 170.0	2.72	2.77	2.85	2.70
γ 171.0	2.76	2.81	2.89	2.75
γ 172.0	2.81	2.84	2.92	2.80
γ 173.0	2.85	2.88	2.95	2.84
γ 174.0	2.90	2.92	2.98	2.87
γ 175.0	2.94	2.95	2.99	2.90
γ 176.0	2.97	2.96	3.02	2.94
γ 177.0	3.00	2.97	3.04	2.97
γ 178.0	3.02	2.97	3.05	3.00
γ 179.0	3.04	2.99	3.04	3.03
γ 180.0	3.03	3.03	3.03	3.03