

Indoor Luminaire Photometric Data

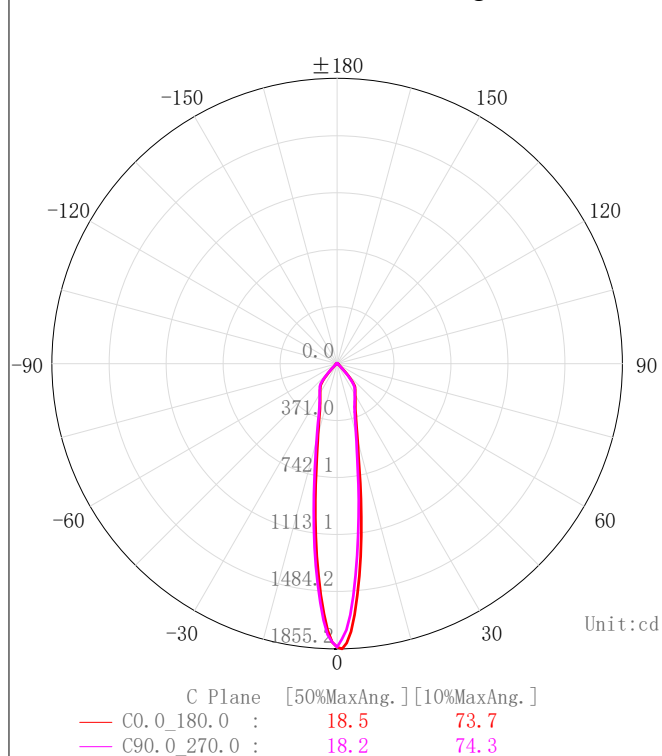
Description Information

Luminary Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/09/21
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

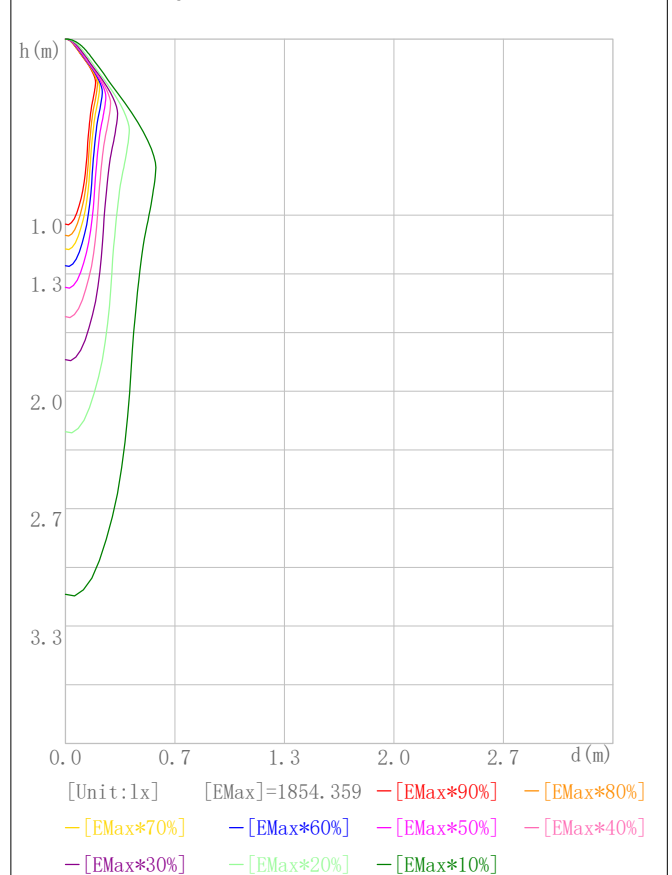
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 584.920	Luminary Flux(lm): 584.922	Field Angle(10%Imax): 73.7(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 581.238lm 99.37%
Rated Voltage(V):	Luminary EER(lm/W): 67.086	Up Lumens&Percent: 3.684lm 0.63%
Tested Power(W): 8.719	Max. Candela(cd): 1855.206	S/MH: C0_a180=0.316 C90_270=0.310
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.3, 0.039, 0.909	Beam Angle(50%Imax): 18.5(°)	ErP Φ use(90°): 538.425lm
Lamp Size (W*L*H): 0.050m*0.000m*0.080m	Left=-8.8°, Right=9.7°	IRF (%): 662.937

C Plane Distribution Diagram



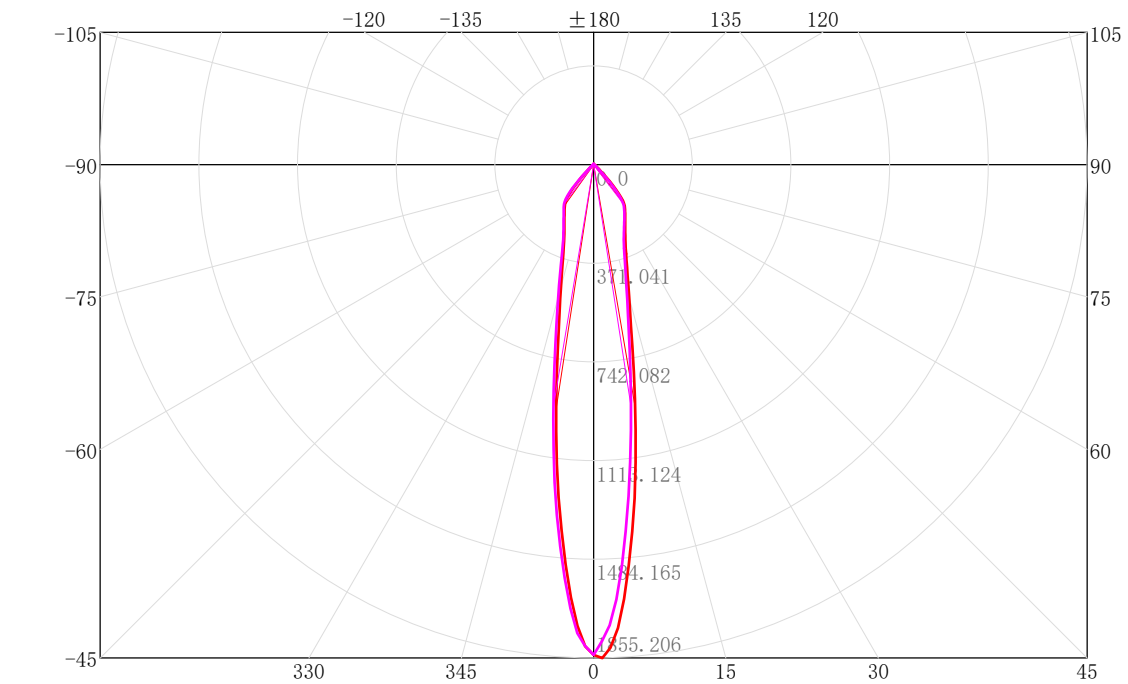
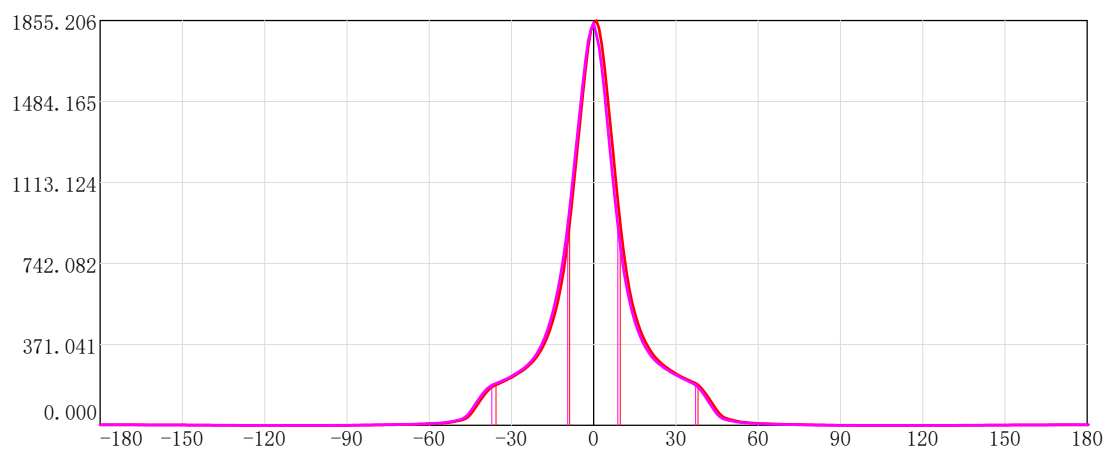
C0 Space ISO Illuminance Curve



2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

C Plane Distribution Diagram



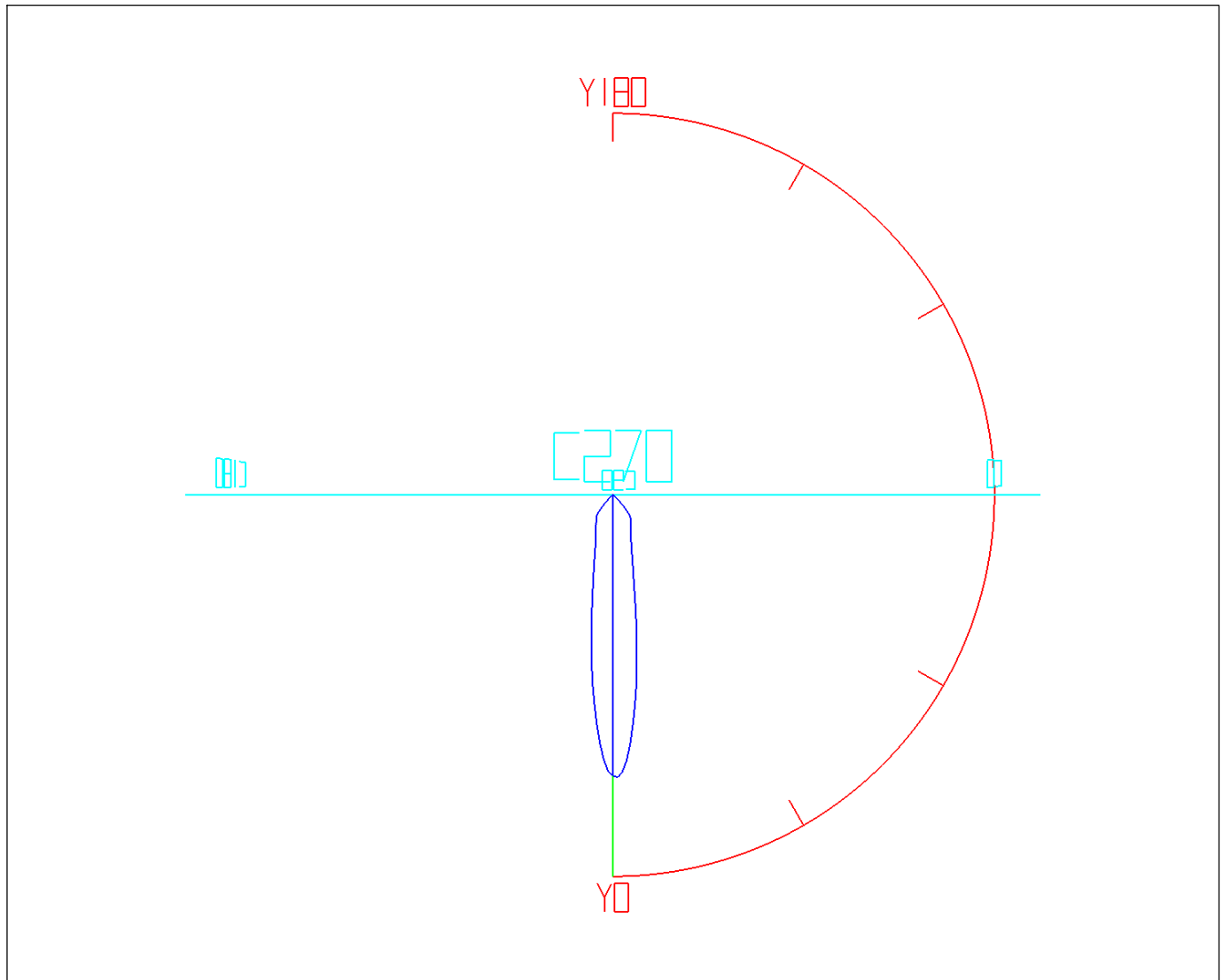
C Plane	[50%MaxAng.]	[10%MaxAng.]
C0.0_180.0 :	18.5	73.7
C90.0_270.0 :	18.2	74.3

Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

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	1.75	1.75	0.30	0.30	47.0-48.0	2.59	554.11	0.44	94.73
1.0-2.0	5.14	6.89	0.88	1.18	48.0-49.0	2.24	556.35	0.38	95.12
2.0-3.0	8.21	15.10	1.40	2.58	49.0-50.0	2.00	558.34	0.34	95.46
3.0-4.0	10.79	25.89	1.85	4.43	50.0-51.0	1.79	560.13	0.31	95.76
4.0-5.0	12.84	38.73	2.19	6.62	51.0-52.0	1.58	561.71	0.27	96.03
5.0-6.0	14.38	53.11	2.46	9.08	52.0-53.0	1.40	563.11	0.24	96.27
6.0-7.0	15.44	68.55	2.64	11.72	53.0-54.0	1.26	564.36	0.21	96.49
7.0-8.0	16.03	84.58	2.74	14.46	54.0-55.0	1.15	565.51	0.20	96.68
8.0-9.0	16.23	100.81	2.77	17.23	55.0-56.0	1.06	566.57	0.18	96.86
9.0-10.0	16.13	116.94	2.76	19.99	56.0-57.0	0.98	567.55	0.17	97.03
10.0-11.0	15.82	132.77	2.70	22.70	57.0-58.0	0.92	568.47	0.16	97.19
11.0-12.0	15.40	148.17	2.63	25.33	58.0-59.0	0.87	569.34	0.15	97.34
12.0-13.0	14.98	163.15	2.56	27.89	59.0-60.0	0.82	570.16	0.14	97.48
13.0-14.0	14.59	177.74	2.49	30.39	60.0-61.0	0.77	570.93	0.13	97.61
14.0-15.0	14.24	191.99	2.44	32.82	61.0-62.0	0.72	571.65	0.12	97.73
15.0-16.0	13.92	205.91	2.38	35.20	62.0-63.0	0.68	572.33	0.12	97.85
16.0-17.0	13.62	219.53	2.33	37.53	63.0-64.0	0.64	572.97	0.11	97.96
17.0-18.0	13.35	232.88	2.28	39.81	64.0-65.0	0.61	573.58	0.10	98.06
18.0-19.0	13.11	245.99	2.24	42.06	65.0-66.0	0.57	574.15	0.10	98.16
19.0-20.0	12.90	258.90	2.21	44.26	66.0-67.0	0.54	574.69	0.09	98.25
20.0-21.0	12.73	271.63	2.18	46.44	67.0-68.0	0.52	575.21	0.09	98.34
21.0-22.0	12.61	284.24	2.16	48.60	68.0-69.0	0.49	575.70	0.08	98.42
22.0-23.0	12.55	296.79	2.15	50.74	69.0-70.0	0.47	576.17	0.08	98.50
23.0-24.0	12.52	309.31	2.14	52.88	70.0-71.0	0.44	576.61	0.08	98.58
24.0-25.0	12.51	321.82	2.14	55.02	71.0-72.0	0.42	577.03	0.07	98.65
25.0-26.0	12.51	334.34	2.14	57.16	72.0-73.0	0.40	577.43	0.07	98.72
26.0-27.0	12.52	346.86	2.14	59.30	73.0-74.0	0.38	577.81	0.07	98.78
27.0-28.0	12.53	359.38	2.14	61.44	74.0-75.0	0.36	578.17	0.06	98.85
28.0-29.0	12.53	371.91	2.14	63.58	75.0-76.0	0.34	578.51	0.06	98.90
29.0-30.0	12.52	384.43	2.14	65.72	76.0-77.0	0.32	578.83	0.05	98.96
30.0-31.0	12.51	396.94	2.14	67.86	77.0-78.0	0.30	579.13	0.05	99.01
31.0-32.0	12.51	409.45	2.14	70.00	78.0-79.0	0.28	579.41	0.05	99.06
32.0-33.0	12.50	421.95	2.14	72.14	79.0-80.0	0.26	579.67	0.04	99.10
33.0-34.0	12.48	434.43	2.13	74.27	80.0-81.0	0.24	579.91	0.04	99.14
34.0-35.0	12.44	446.87	2.13	76.40	81.0-82.0	0.22	580.14	0.04	99.18
35.0-36.0	12.40	459.27	2.12	78.52	82.0-83.0	0.21	580.34	0.04	99.22
36.0-37.0	12.31	471.57	2.10	80.62	83.0-84.0	0.19	580.53	0.03	99.25
37.0-38.0	12.07	483.64	2.06	82.69	84.0-85.0	0.17	580.70	0.03	99.28
38.0-39.0	11.62	495.26	1.99	84.67	85.0-86.0	0.15	580.85	0.03	99.30
39.0-40.0	10.93	506.20	1.87	86.54	86.0-87.0	0.13	580.98	0.02	99.33
40.0-41.0	10.01	516.21	1.71	88.25	87.0-88.0	0.11	581.09	0.02	99.35
41.0-42.0	8.92	525.13	1.53	89.78	88.0-89.0	0.08	581.18	0.01	99.36
42.0-43.0	7.70	532.83	1.32	91.09	89.0-90.0	0.06	581.24	0.01	99.37
43.0-44.0	6.40	539.24	1.09	92.19	90.0-91.0	0.05	581.29	0.01	99.38
44.0-45.0	5.13	544.36	0.88	93.07	91.0-92.0	0.04	581.33	0.01	99.39
45.0-46.0	4.01	548.37	0.68	93.75	92.0-93.0	0.04	581.37	0.01	99.39
46.0-47.0	3.15	551.52	0.54	94.29	93.0-94.0	0.03	581.40	0.01	99.40

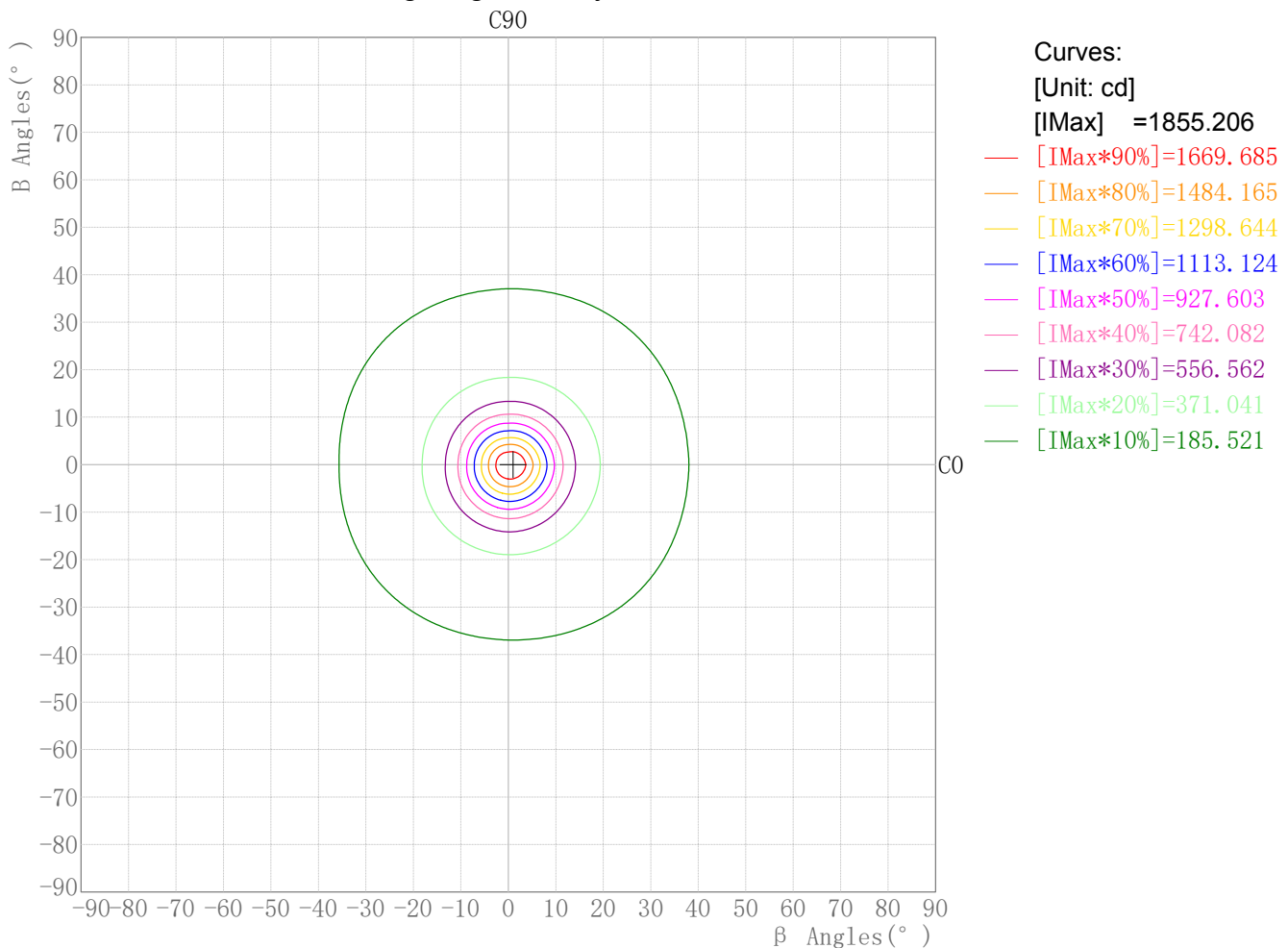
Zonal Flux Tabulation - (Cont.)

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	0.02	581.42	0.00	99.40	141.0-142.0	0.08	582.26	0.01	99.55
95.0-96.0	0.02	581.44	0.00	99.41	142.0-143.0	0.08	582.34	0.01	99.56
96.0-97.0	0.02	581.46	0.00	99.41	143.0-144.0	0.09	582.43	0.01	99.57
97.0-98.0	0.02	581.48	0.00	99.41	144.0-145.0	0.09	582.52	0.02	99.59
98.0-99.0	0.01	581.49	0.00	99.41	145.0-146.0	0.09	582.61	0.02	99.61
99.0-100.0	0.01	581.50	0.00	99.42	146.0-147.0	0.09	582.71	0.02	99.62
100.0-101.0	0.01	581.51	0.00	99.42	147.0-148.0	0.10	582.80	0.02	99.64
101.0-102.0	0.01	581.52	0.00	99.42	148.0-149.0	0.10	582.90	0.02	99.65
102.0-103.0	0.01	581.52	0.00	99.42	149.0-150.0	0.10	583.00	0.02	99.67
103.0-104.0	0.00	581.53	0.00	99.42	150.0-151.0	0.10	583.10	0.02	99.69
104.0-105.0	0.00	581.53	0.00	99.42	151.0-152.0	0.10	583.20	0.02	99.71
105.0-106.0	0.00	581.53	0.00	99.42	152.0-153.0	0.10	583.30	0.02	99.72
106.0-107.0	0.00	581.53	0.00	99.42	153.0-154.0	0.10	583.40	0.02	99.74
107.0-108.0	0.00	581.53	0.00	99.42	154.0-155.0	0.10	583.49	0.02	99.76
108.0-109.0	0.00	581.53	0.00	99.42	155.0-156.0	0.10	583.59	0.02	99.77
109.0-110.0	0.00	581.53	0.00	99.42	156.0-157.0	0.09	583.68	0.02	99.79
110.0-111.0	0.00	581.53	0.00	99.42	157.0-158.0	0.09	583.78	0.02	99.80
111.0-112.0	0.00	581.53	0.00	99.42	158.0-159.0	0.09	583.87	0.02	99.82
112.0-113.0	0.00	581.53	0.00	99.42	159.0-160.0	0.09	583.96	0.02	99.84
113.0-114.0	0.00	581.53	0.00	99.42	160.0-161.0	0.09	584.04	0.01	99.85
114.0-115.0	0.00	581.53	0.00	99.42	161.0-162.0	0.08	584.12	0.01	99.86
115.0-116.0	0.00	581.53	0.00	99.42	162.0-163.0	0.08	584.20	0.01	99.88
116.0-117.0	0.00	581.54	0.00	99.42	163.0-164.0	0.08	584.28	0.01	99.89
117.0-118.0	0.00	581.54	0.00	99.42	164.0-165.0	0.07	584.35	0.01	99.90
118.0-119.0	0.00	581.54	0.00	99.42	165.0-166.0	0.07	584.42	0.01	99.92
119.0-120.0	0.00	581.54	0.00	99.42	166.0-167.0	0.07	584.49	0.01	99.93
120.0-121.0	0.00	581.54	0.00	99.42	167.0-168.0	0.06	584.55	0.01	99.94
121.0-122.0	0.00	581.55	0.00	99.42	168.0-169.0	0.06	584.61	0.01	99.95
122.0-123.0	0.00	581.55	0.00	99.42	169.0-170.0	0.05	584.66	0.01	99.96
123.0-124.0	0.01	581.56	0.00	99.43	170.0-171.0	0.05	584.71	0.01	99.96
124.0-125.0	0.01	581.57	0.00	99.43	171.0-172.0	0.04	584.75	0.01	99.97
125.0-126.0	0.01	581.58	0.00	99.43	172.0-173.0	0.04	584.79	0.01	99.98
126.0-127.0	0.01	581.59	0.00	99.43	173.0-174.0	0.03	584.83	0.01	99.98
127.0-128.0	0.02	581.61	0.00	99.43	174.0-175.0	0.03	584.86	0.00	99.99
128.0-129.0	0.02	581.62	0.00	99.44	175.0-176.0	0.02	584.88	0.00	99.99
129.0-130.0	0.02	581.65	0.00	99.44	176.0-177.0	0.02	584.90	0.00	100.00
130.0-131.0	0.03	581.67	0.00	99.44	177.0-178.0	0.01	584.91	0.00	100.00
131.0-132.0	0.03	581.70	0.01	99.45	178.0-179.0	0.01	584.92	0.00	100.00
132.0-133.0	0.03	581.74	0.01	99.46	179.0-180.0	0.00	584.92	0.00	100.00
133.0-134.0	0.04	581.78	0.01	99.46					
134.0-135.0	0.04	581.82	0.01	99.47					
135.0-136.0	0.05	581.87	0.01	99.48					
136.0-137.0	0.05	581.92	0.01	99.49					
137.0-138.0	0.06	581.98	0.01	99.50					
138.0-139.0	0.06	582.04	0.01	99.51					
139.0-140.0	0.07	582.11	0.01	99.52					
140.0-141.0	0.07	582.18	0.01	99.53					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

ISO Lighting Intensity Curve



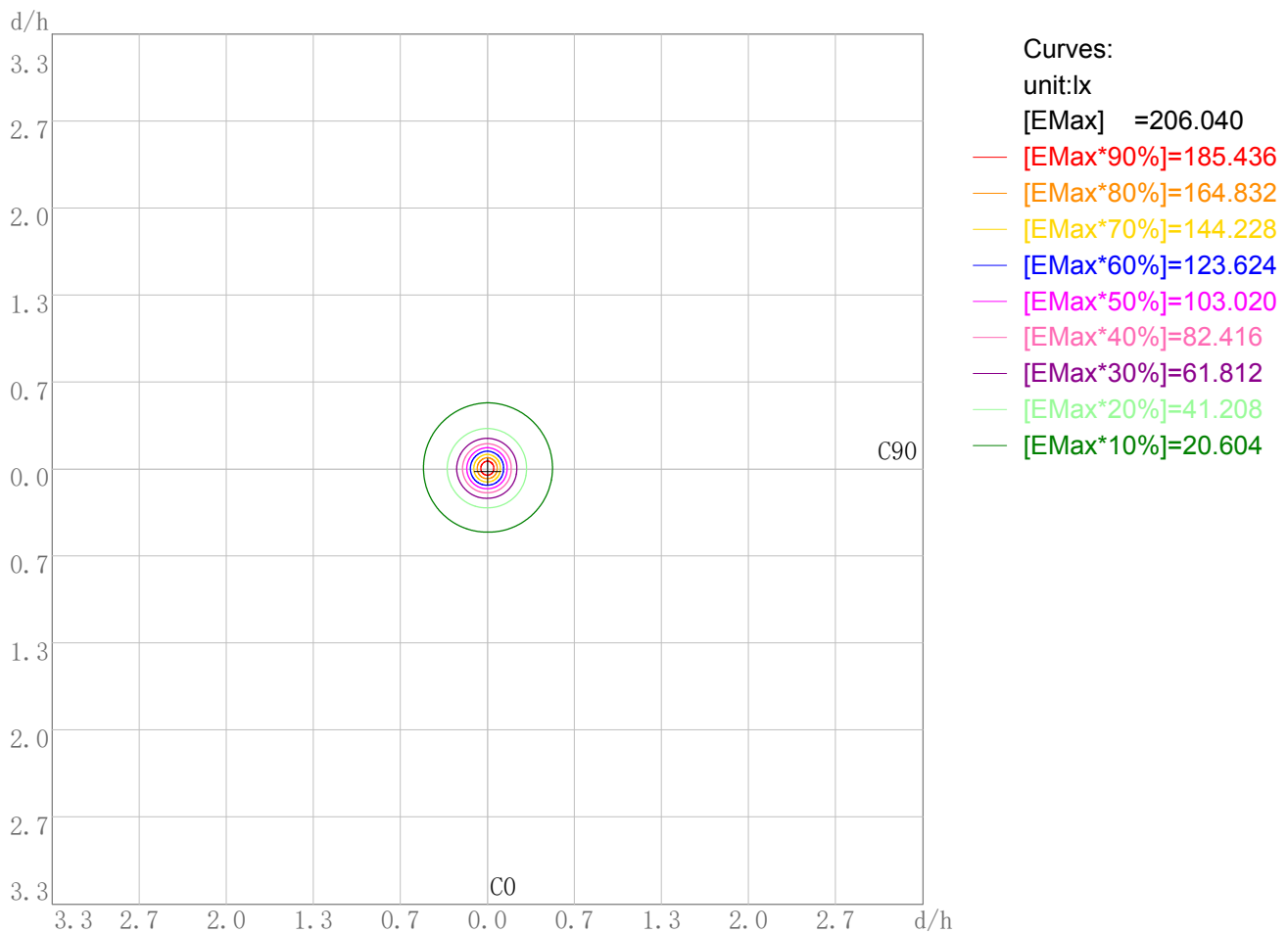
Maximum Light Intensity(cd): 1855.21

Maximum Cand.@Angle: H=1.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
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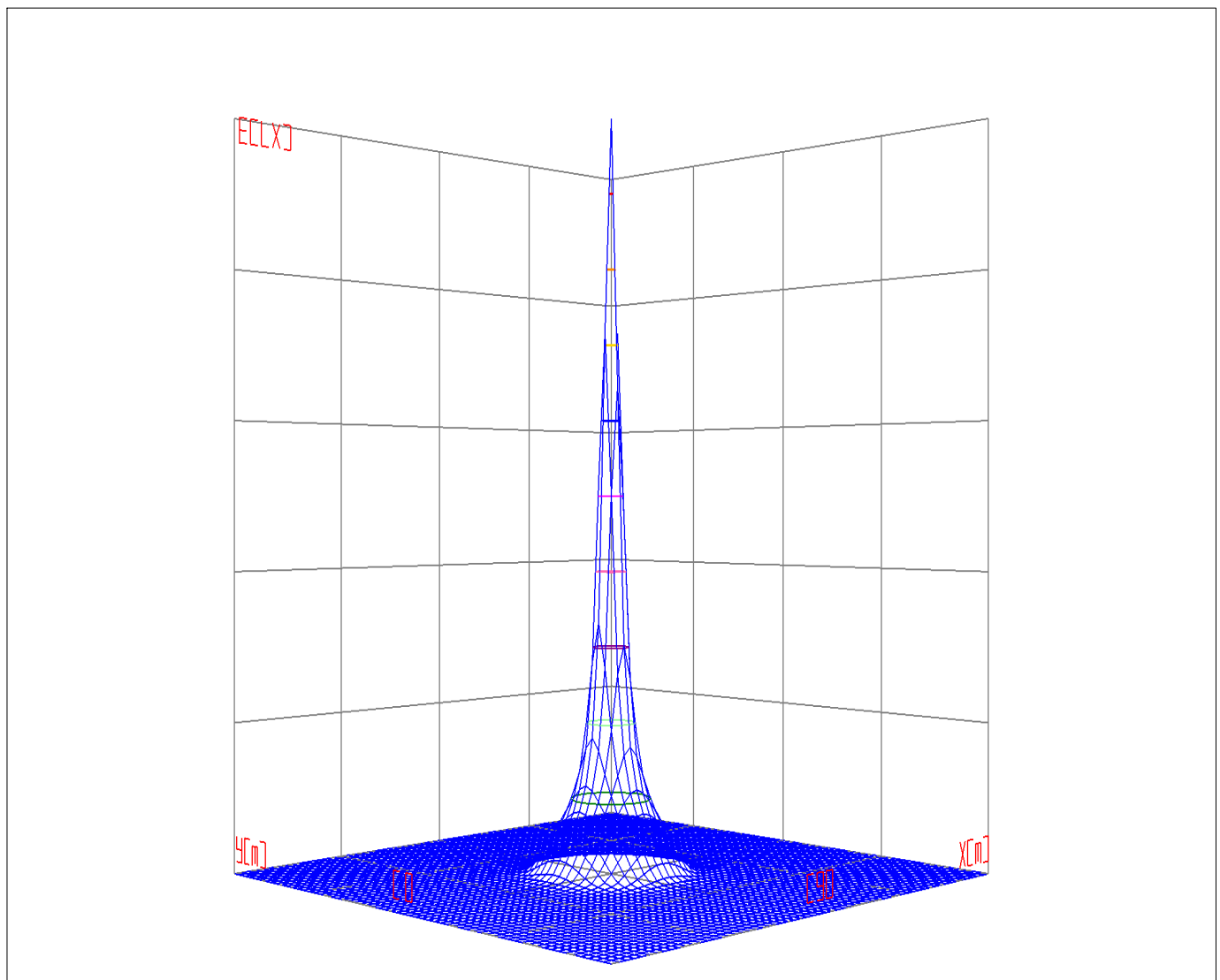
Plane ISO-Illuminance Curve



3D Plane ISO Illuminance Diagram

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

3D Plane Illuminance Model

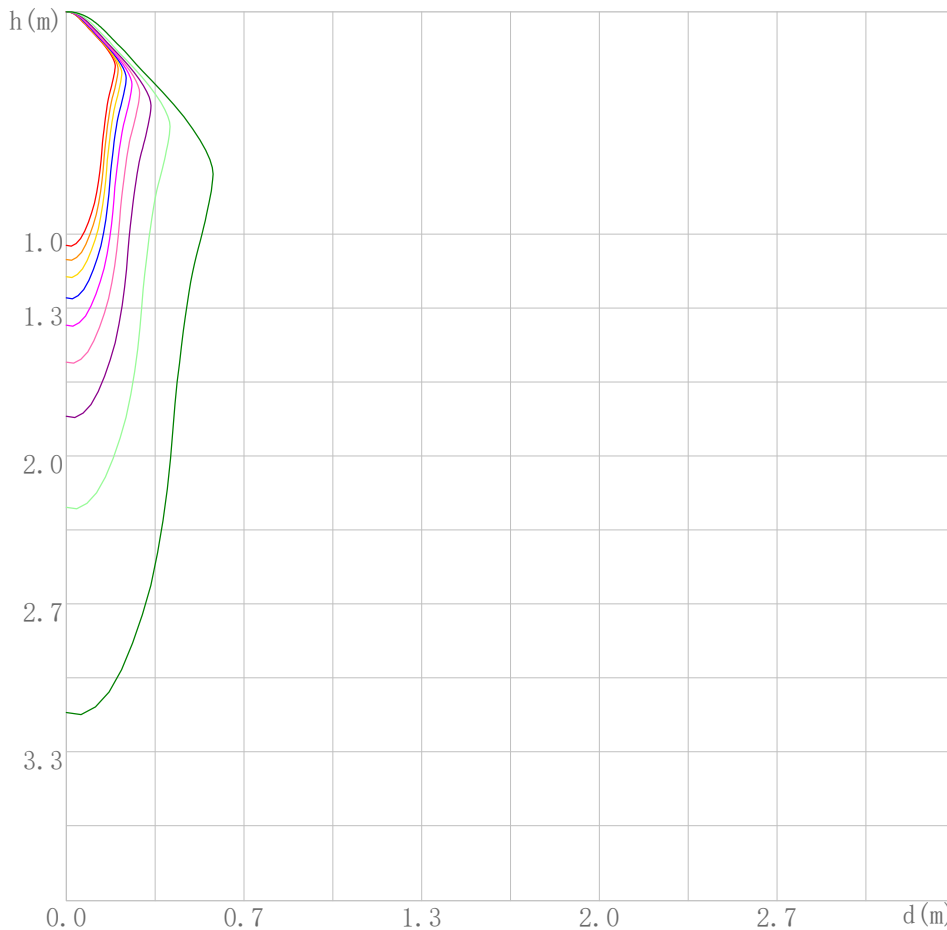


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[E_{Max}] = 1854.359

— [E_{Max}*90%]=1668.923

— [E_{Max}*80%]=1483.487

— [E_{Max}*70%]=1298.051

— [E_{Max}*60%]=1112.615

— [E_{Max}*50%]=927.179

— [E_{Max}*40%]=741.743

— [E_{Max}*30%]=556.308

— [E_{Max}*20%]=370.872

— [E_{Max}*10%]=185.436

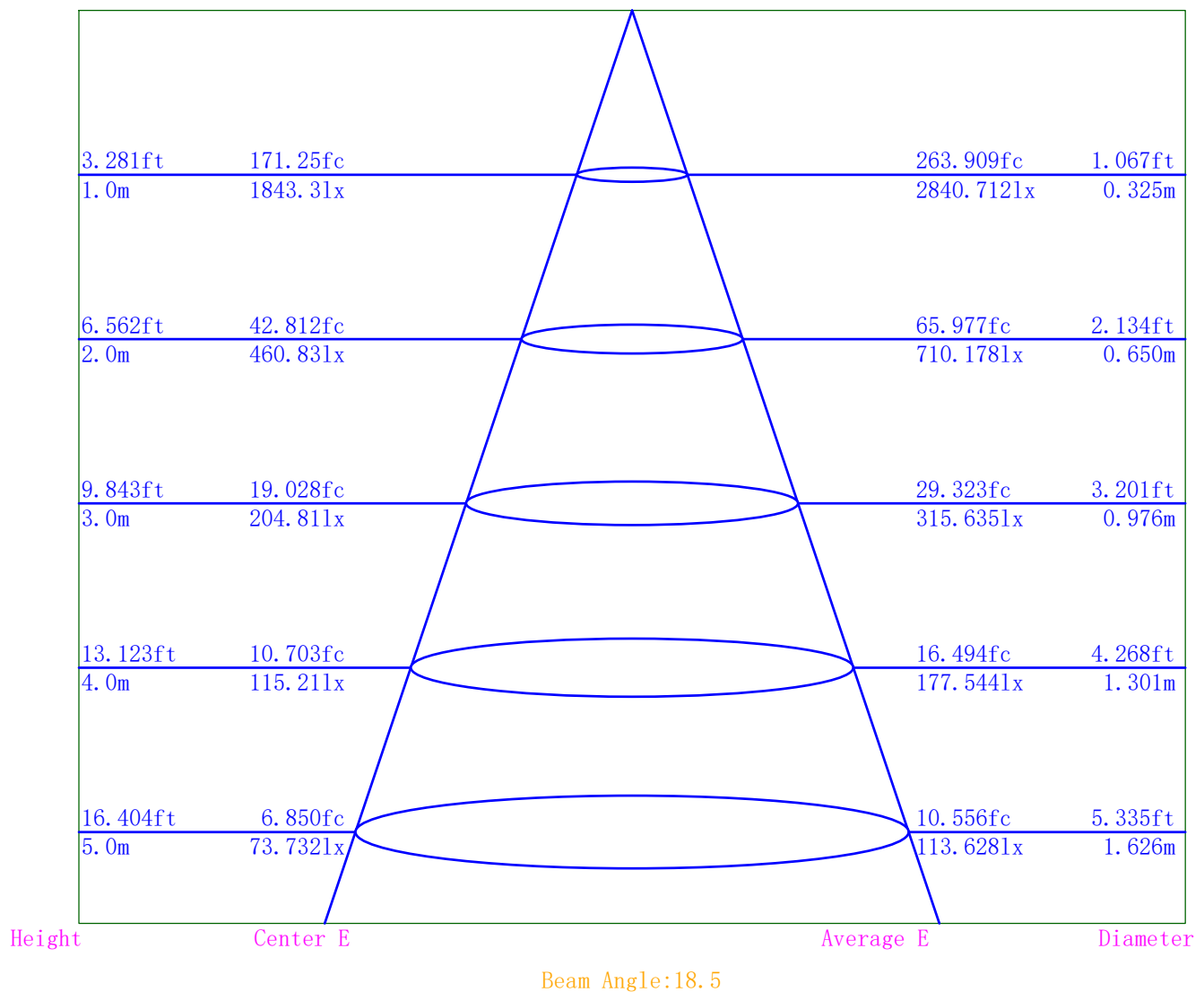
Space Plane Maximum Illuminance and @Angle:1854.36lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:1855.206cd,0deg

Illuminance-Distance Diagram

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

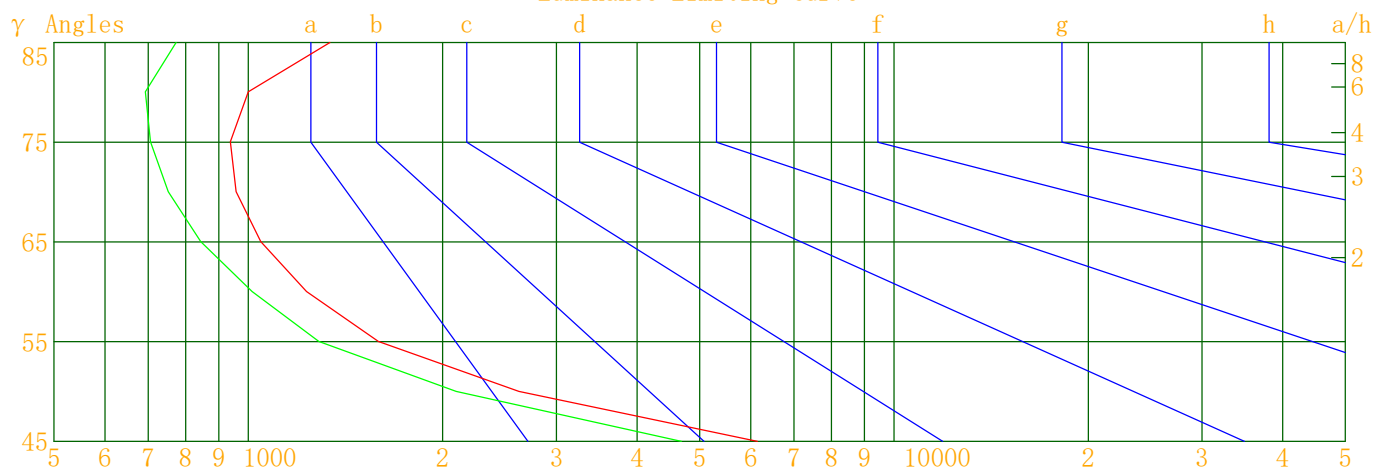
Glare Grade Table

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	6142	2626	1590	1231	1045	958	938	1000	1338
C90	4683	2099	1286	1014	844	751	705	693	773

Luminance Limiting Curve



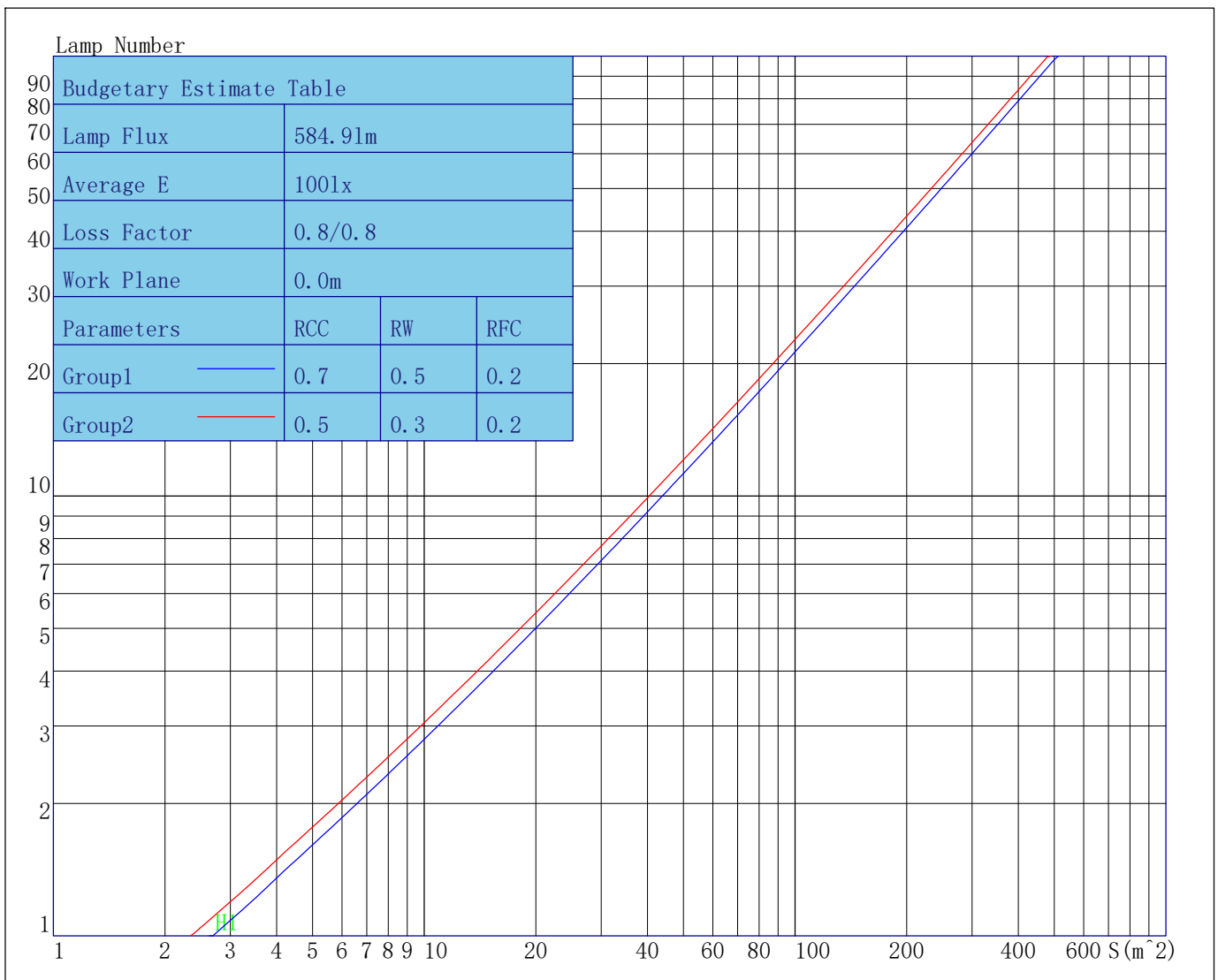
Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.080 Area(m^2)=0.015708

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
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Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

Indoor Coefficient of Utilization Table

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

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	108	106	111	108	106	104	104	102	101	100	99	97	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	94	92	90	92	90	88	86
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	79	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	77	67	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	55	61	57	54	53

Unified Glare Rating Table

Lum. Name: HCP-809024-4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Havit Commercial	Test Machine: GON-2000	Test Date: 2020/09/21

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	14.8	15.9	15.2	16.2	16.5	14.3	15.3	14.6	15.6	16.0
	14.8	15.7	15.1	16.0	16.4	14.2	15.1	14.6	15.4	15.8
	14.7	15.6	15.2	16.0	16.4	14.1	15.0	14.5	15.4	15.8
	14.7	15.5	15.1	15.9	16.3	14.1	14.9	14.5	15.3	15.7
	14.7	15.5	15.2	15.9	16.3	14.1	14.8	14.5	15.2	15.6
	14.7	15.4	15.2	15.8	16.3	14.0	14.7	14.5	15.1	15.6
X=4H Y=2H	14.6	15.5	15.0	15.8	16.2	14.0	14.9	14.5	15.3	15.7
	14.6	15.3	15.0	15.7	16.1	14.0	14.7	14.4	15.1	15.5
	14.6	15.2	15.0	15.7	16.1	14.0	14.6	14.4	15.0	15.5
	14.6	15.2	15.1	15.6	16.1	14.0	14.5	14.4	15.0	15.5
	14.6	15.2	15.1	15.6	16.1	13.9	14.4	14.4	14.9	15.4
	14.7	15.1	15.2	15.6	16.1	13.9	14.4	14.4	14.9	15.4
X=8H Y=4H	14.5	15.0	15.0	15.4	15.9	13.8	14.4	14.3	14.8	15.3
	14.6	15.0	15.1	15.5	16.0	13.9	14.3	14.4	14.8	15.3
	14.6	15.0	15.2	15.5	16.0	13.9	14.2	14.4	14.8	15.3
	14.7	15.1	15.3	15.6	16.2	13.9	14.2	14.4	14.7	15.3
X=12H Y=4H	14.4	14.9	14.9	15.4	15.9	13.8	14.2	14.3	14.7	15.2
	14.5	14.9	15.1	15.4	15.9	13.8	14.2	14.4	14.7	15.2
	14.6	14.9	15.1	15.5	16.0	13.9	14.2	14.4	14.7	15.3
Variations with the observer position at spacings										
S=1.0H	0.2/−0.2					0.4/−0.4				
S=1.5H	0.5/−0.5					0.7/−0.7				
S=2.0H	0.7/−0.7					0.9/−1.0				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.5					0.4				

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	1843.31	1843.31	1843.31	1843.31
γ 1.0	1855.21	1791.55	1811.25	1810.27
γ 2.0	1817.45	1732.79	1735.25	1762.44
γ 3.0	1744.75	1637.35	1629.32	1670.59
γ 4.0	1637.41	1515.06	1507.23	1557.79
γ 5.0	1513.07	1383.38	1382.16	1440.12
γ 6.0	1387.31	1253.60	1259.08	1323.79
γ 7.0	1263.39	1126.96	1133.47	1203.63
γ 8.0	1131.57	1008.66	1011.77	1081.57
γ 9.0	1008.63	898.16	901.02	968.85
γ 10.0	894.81	797.16	797.37	864.88
γ 11.0	791.86	708.07	706.27	773.33
γ 12.0	699.77	633.31	631.70	692.41
γ 13.0	623.82	573.31	569.91	624.21
γ 14.0	563.69	521.17	518.98	565.13
γ 15.0	515.65	476.79	475.16	513.79
γ 16.0	473.34	438.98	436.35	470.52
γ 17.0	436.79	407.93	402.82	431.89
γ 18.0	406.41	379.77	374.65	398.98
γ 19.0	379.61	355.73	349.96	369.78
γ 20.0	356.78	334.75	328.30	345.01
γ 21.0	336.45	317.03	310.50	323.74
γ 22.0	319.34	302.49	295.11	306.00
γ 23.0	304.92	290.61	282.15	291.45
γ 24.0	292.22	279.92	270.67	278.90
γ 25.0	281.09	270.33	260.32	267.65
γ 26.0	271.08	261.30	250.87	257.48
γ 27.0	261.75	253.35	242.58	248.60
γ 28.0	252.96	245.23	234.30	240.50
γ 29.0	244.95	237.82	226.71	232.83
γ 30.0	236.90	230.75	219.42	225.42
γ 31.0	229.82	224.14	213.14	218.79
γ 32.0	223.26	217.94	206.74	212.26
γ 33.0	217.23	212.24	200.85	206.52
γ 34.0	211.29	205.86	194.79	200.82
γ 35.0	205.37	199.57	189.12	195.73
γ 36.0	199.73	193.52	183.46	190.71
γ 37.0	194.11	186.05	176.41	185.22
γ 38.0	185.95	175.40	166.50	176.85
γ 39.0	174.54	161.92	153.63	167.00
γ 40.0	160.21	145.30	138.11	153.27
γ 41.0	143.43	126.65	120.70	137.14
γ 42.0	125.12	107.31	102.59	119.28
γ 43.0	105.96	87.38	83.83	100.13
γ 44.0	86.54	68.56	65.44	80.82
γ 45.0	68.22	52.02	49.17	62.89
γ 46.0	52.71	39.72	36.99	47.94

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	41.41	31.66	29.24	37.22
γ 48.0	34.32	27.04	24.95	30.25
γ 49.0	29.92	23.80	22.04	25.86
γ 50.0	26.51	21.20	19.56	22.65
γ 51.0	23.36	18.77	17.03	19.91
γ 52.0	20.27	16.19	14.37	17.43
γ 53.0	17.63	14.33	12.61	15.47
γ 54.0	15.75	12.85	11.33	13.97
γ 55.0	14.33	11.59	10.36	12.53
γ 56.0	13.14	10.69	9.55	11.36
γ 57.0	11.96	9.94	8.90	10.55
γ 58.0	11.11	9.25	8.30	9.86
γ 59.0	10.41	8.61	7.71	9.21
γ 60.0	9.67	7.96	7.12	8.59
γ 61.0	8.98	7.40	6.59	8.01
γ 62.0	8.40	6.89	6.13	7.47
γ 63.0	7.87	6.43	5.69	6.98
γ 64.0	7.38	6.01	5.33	6.54
γ 65.0	6.94	5.60	4.98	6.15
γ 66.0	6.51	5.25	4.70	5.79
γ 67.0	6.13	4.93	4.44	5.48
γ 68.0	5.77	4.61	4.20	5.21
γ 69.0	5.46	4.31	3.97	4.95
γ 70.0	5.14	4.04	3.76	4.70
γ 71.0	4.86	3.77	3.57	4.49
γ 72.0	4.58	3.53	3.39	4.26
γ 73.0	4.31	3.31	3.22	4.06
γ 74.0	4.07	3.08	3.03	3.86
γ 75.0	3.81	2.87	2.86	3.66
γ 76.0	3.58	2.66	2.67	3.46
γ 77.0	3.36	2.45	2.49	3.28
γ 78.0	3.15	2.26	2.33	3.09
γ 79.0	2.93	2.07	2.14	2.90
γ 80.0	2.73	1.89	1.98	2.70
γ 81.0	2.54	1.72	1.82	2.52
γ 82.0	2.36	1.56	1.66	2.34
γ 83.0	2.19	1.38	1.50	2.16
γ 84.0	2.01	1.22	1.34	1.99
γ 85.0	1.83	1.06	1.16	1.81
γ 86.0	1.67	0.88	0.97	1.64
γ 87.0	1.49	0.70	0.75	1.47
γ 88.0	1.31	0.49	0.53	1.27
γ 89.0	0.98	0.27	0.34	0.98
γ 90.0	0.75	0.17	0.25	0.79
γ 91.0	0.66	0.12	0.20	0.70
γ 92.0	0.60	0.06	0.13	0.62
γ 93.0	0.53	0.02	0.08	0.56

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.47	0.00	0.04	0.49
γ 95.0	0.41	0.00	0.00	0.42
γ 96.0	0.36	0.00	0.00	0.37
γ 97.0	0.32	0.00	0.00	0.31
γ 98.0	0.27	0.00	0.00	0.27
γ 99.0	0.22	0.00	0.00	0.22
γ 100.0	0.19	0.00	0.00	0.18
γ 101.0	0.15	0.00	0.00	0.15
γ 102.0	0.13	0.00	0.00	0.11
γ 103.0	0.09	0.00	0.00	0.09
γ 104.0	0.06	0.00	0.00	0.06
γ 105.0	0.04	0.00	0.00	0.04
γ 106.0	0.03	0.00	0.00	0.03
γ 107.0	0.01	0.00	0.00	0.01
γ 108.0	0.00	0.00	0.00	0.01
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	0.01
γ 115.0	0.00	0.00	0.00	0.02
γ 116.0	0.00	0.00	0.00	0.04
γ 117.0	0.00	0.00	0.00	0.05
γ 118.0	0.00	0.00	0.00	0.07
γ 119.0	0.00	0.00	0.00	0.09
γ 120.0	0.00	0.00	0.00	0.11
γ 121.0	0.00	0.00	0.00	0.13
γ 122.0	0.01	0.00	0.00	0.15
γ 123.0	0.03	0.00	0.03	0.18
γ 124.0	0.05	0.00	0.06	0.21
γ 125.0	0.08	0.00	0.10	0.24
γ 126.0	0.10	0.00	0.15	0.27
γ 127.0	0.14	0.00	0.19	0.30
γ 128.0	0.18	0.01	0.25	0.34
γ 129.0	0.21	0.06	0.29	0.38
γ 130.0	0.27	0.12	0.35	0.42
γ 131.0	0.30	0.16	0.40	0.47
γ 132.0	0.35	0.22	0.47	0.52
γ 133.0	0.41	0.29	0.54	0.59
γ 134.0	0.47	0.35	0.61	0.65
γ 135.0	0.54	0.43	0.68	0.72
γ 136.0	0.61	0.50	0.76	0.79
γ 137.0	0.68	0.59	0.86	0.87
γ 138.0	0.76	0.67	0.95	0.95
γ 139.0	0.84	0.76	1.03	1.03
γ 140.0	0.91	0.84	1.13	1.13

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.01	0.93	1.22	1.22
γ 142.0	1.09	1.03	1.32	1.31
γ 143.0	1.18	1.12	1.40	1.40
γ 144.0	1.27	1.20	1.49	1.48
γ 145.0	1.36	1.29	1.57	1.57
γ 146.0	1.42	1.38	1.64	1.65
γ 147.0	1.52	1.45	1.72	1.72
γ 148.0	1.59	1.52	1.79	1.78
γ 149.0	1.66	1.60	1.86	1.85
γ 150.0	1.74	1.67	1.92	1.91
γ 151.0	1.80	1.73	1.98	1.95
γ 152.0	1.88	1.79	2.04	2.01
γ 153.0	1.94	1.86	2.09	2.06
γ 154.0	2.00	1.91	2.14	2.10
γ 155.0	2.06	1.96	2.19	2.15
γ 156.0	2.12	2.01	2.24	2.19
γ 157.0	2.17	2.05	2.29	2.23
γ 158.0	2.23	2.11	2.33	2.27
γ 159.0	2.26	2.14	2.38	2.30
γ 160.0	2.32	2.19	2.42	2.34
γ 161.0	2.37	2.24	2.47	2.37
γ 162.0	2.41	2.28	2.51	2.41
γ 163.0	2.46	2.33	2.55	2.44
γ 164.0	2.51	2.37	2.58	2.48
γ 165.0	2.53	2.41	2.61	2.50
γ 166.0	2.58	2.46	2.64	2.54
γ 167.0	2.63	2.50	2.68	2.57
γ 168.0	2.65	2.53	2.70	2.60
γ 169.0	2.68	2.57	2.73	2.62
γ 170.0	2.71	2.60	2.75	2.64
γ 171.0	2.73	2.63	2.77	2.67
γ 172.0	2.76	2.66	2.78	2.68
γ 173.0	2.77	2.65	2.77	2.70
γ 174.0	2.78	2.68	2.79	2.71
γ 175.0	2.78	2.69	2.79	2.72
γ 176.0	2.79	2.69	2.79	2.72
γ 177.0	2.79	2.70	2.78	2.73
γ 178.0	2.79	2.70	2.80	2.73
γ 179.0	2.81	2.70	2.80	2.74
γ 180.0	2.78	2.78	2.78	2.78