IES Flood Report
Photometric Filename: HCP-3365965.IES

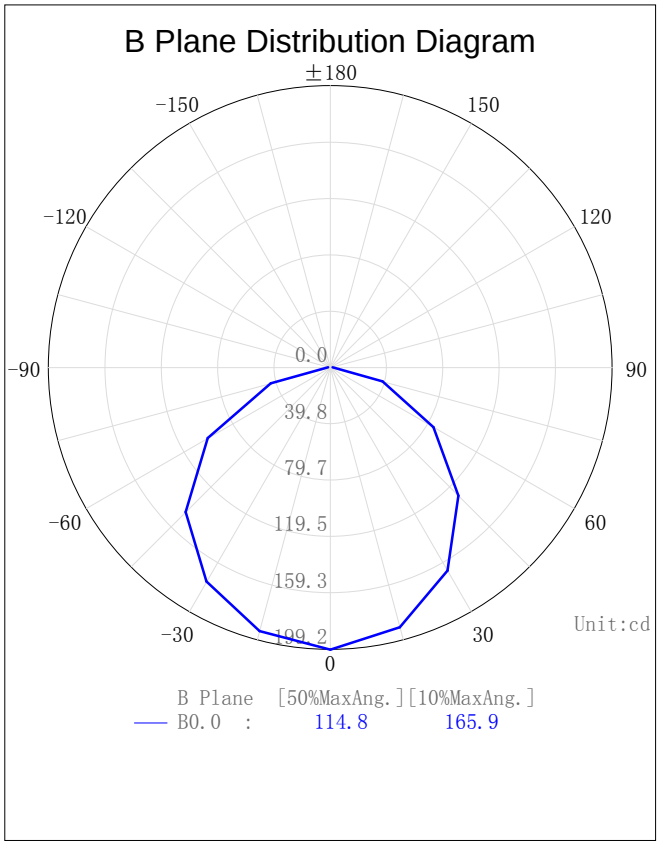
Flood Luminaire Photometric Data

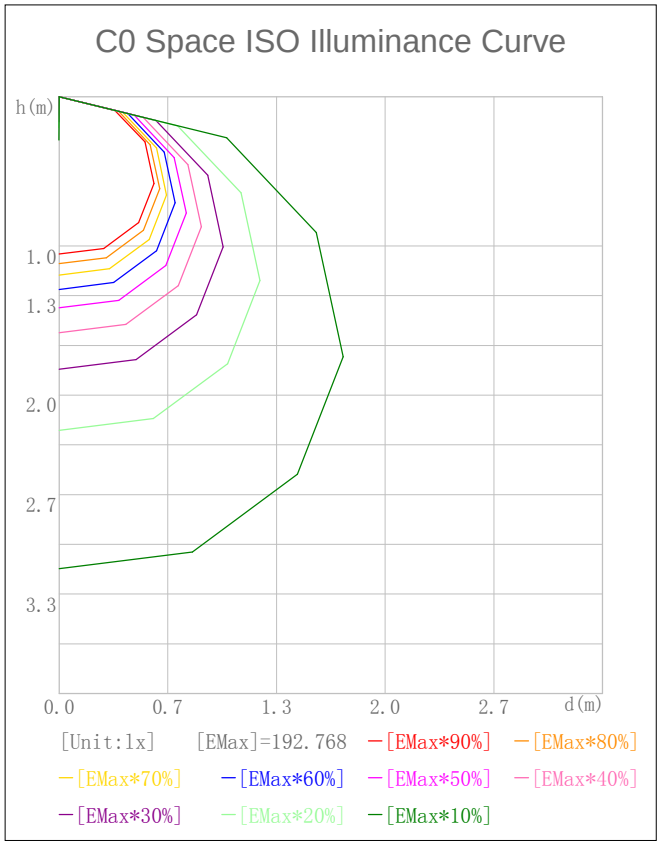
Description Information

Luminary Name: HCP-3365965		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog: HCP-3365965	Test Date: 2019/05/21
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.010m*0.100m*0.010m		Lum.Area(m2):0.002	Lum.W(kg):
Test System: B, β	Test Step: B=15.0 β=15.0	Temp.(℃):	Humidity(%):

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter			
Rated Flux(lm):	720.000	Luminary Flux(lm):	625.663	Beam Lumens(lm):	451.20
Rated Power(W):		Luminary Efficiency:	86.90%	Beam Efficiency(%):	72.11
Rated Voltage(V):		Luminary EER(lm/W):	65.832	Field Lumens(lm):	618.30
Tested Power(W):	9.504	Max.Candela(cd):	199.151	Field Efficiency(%):	98.82
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	460.2241m
Tested Electrics(V,A,pf):24.0,0.396,0.000		Beam Angle(50%)(V,H):	122.7(°),114.8(°)	IRF(%):	107.254
Lamp Size(W*L*H):0.010m*0.100m*0.010m		Field Angle(10%)(V,H):	177.6(°),165.9(°)		



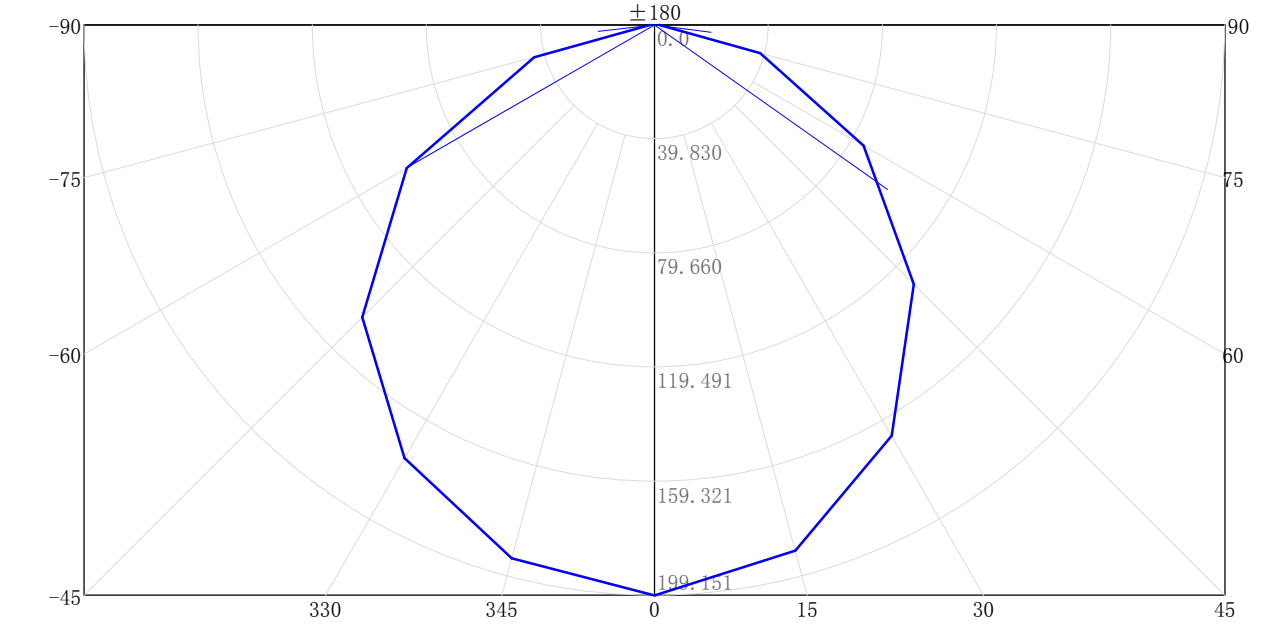


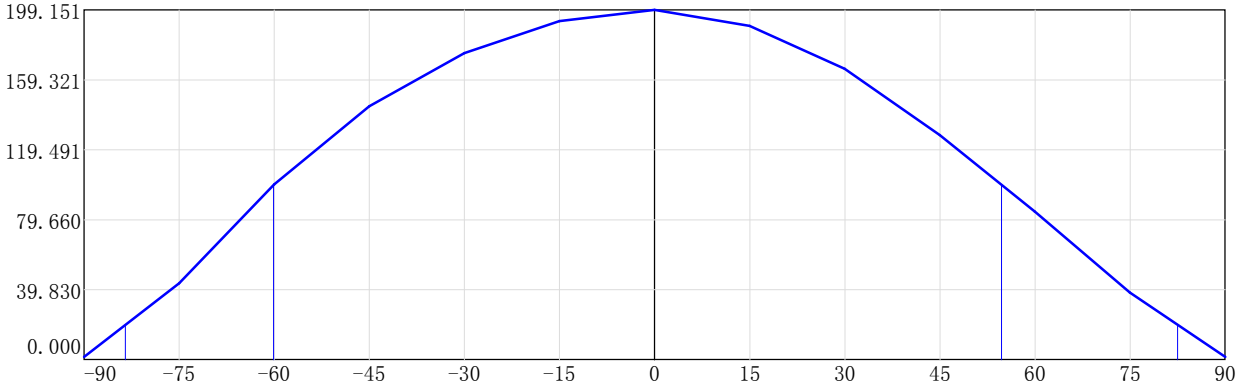
IES Flood Report
Photometric Filename: HCP-3365965.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

B Plane Distribution Diagram





B Plane [50%MaxAng.] [10%MaxAng.] Unit:cd

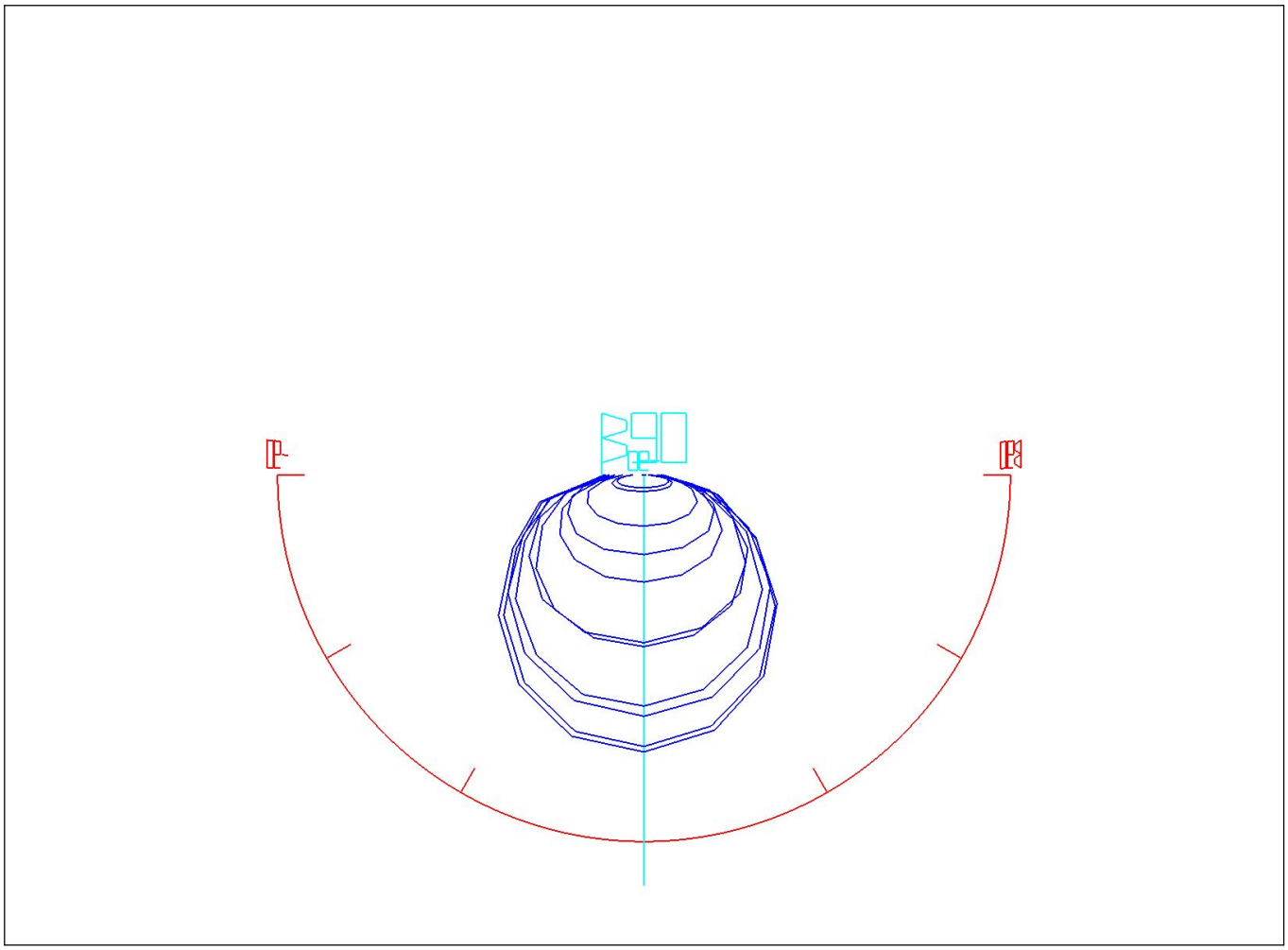
B0.0 : 114.8 165.9

IES Flood Report
Photometric Filename: HCP-3365965.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

3D Light Intensity Distribution Modal



Curves: 3D Model Fixture Vert. HUD Hori. HUD

View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

IES Flood Report
Photometric Filename: HCP-3365965.IES

Zone Lumens Tabulation

	β -90.0	β -75.0	β -60.0	β -45.0	β -30.0	β -15.0	β 0.0	β 15.0	β 30.0	β 45.0	β 60.0	β 75.0	β 90.0
B-90.0	0.06	0.47	1.30	2.30	3.18	3.62	3.53	2.95	2.08	1.18	0.45	0.06	
B-75.0	0.09	0.84	2.39	4.13	5.58	6.31	6.14	5.15	3.64	2.05	0.75	0.09	
B-60.0	0.13	1.22	3.36	5.70	7.60	8.58	8.40	7.13	5.09	2.88	1.06	0.12	
B-45.0	0.17	1.52	4.15	7.09	9.50	10.79	10.63	9.02	6.40	3.58	1.31	0.15	
B-30.0	0.19	1.75	4.75	8.08	10.84	12.39	12.26	10.42	7.39	4.11	1.49	0.17	
B-15.0	0.20	1.85	5.03	8.55	11.48	13.14	13.04	11.10	7.86	4.36	1.58	0.18	
B0.0	0.20	1.83	4.97	8.47	11.37	13.00	12.89	10.98	7.79	4.32	1.57	0.17	
B15.0	0.18	1.68	4.59	7.87	10.57	12.04	11.90	10.13	7.19	4.00	1.46	0.16	
B30.0	0.15	1.42	3.90	6.71	9.01	10.23	10.07	8.55	6.08	3.40	1.25	0.14	
B45.0	0.11	1.06	2.94	5.08	6.83	7.74	7.59	6.42	4.58	2.58	0.96	0.11	
B60.0	0.07	0.66	1.85	3.26	4.45	5.07	4.95	4.15	2.94	1.67	0.64	0.08	
B75.0	0.04	0.33	0.88	1.53	2.07	2.33	2.23	1.82	1.26	0.70	0.28	0.04	
B90.0													
Total	1.58	14.65	40.11	68.79	92.45	105.25	103.64	87.80	62.29	34.83	12.80	1.46	

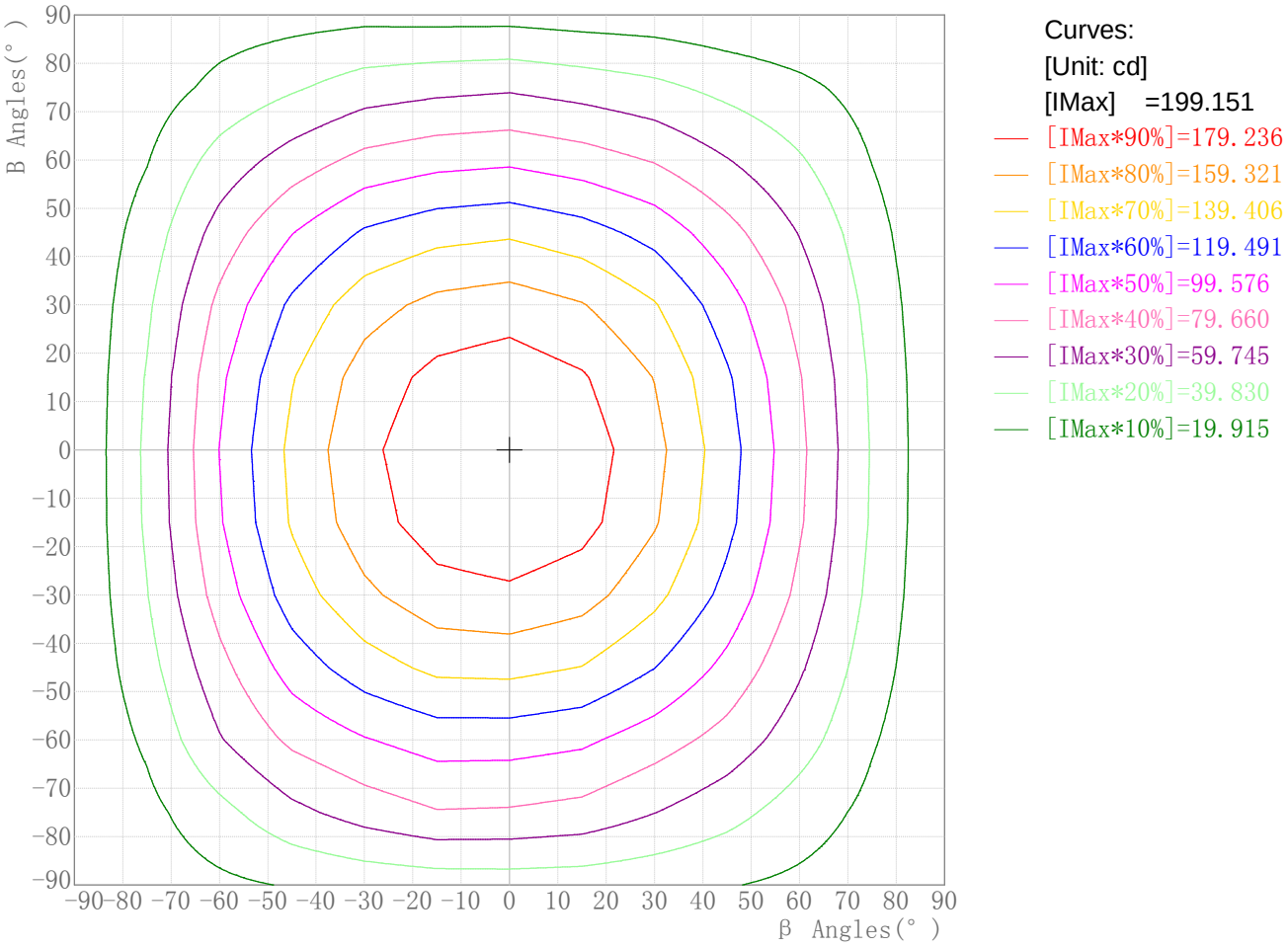
	β 90.0	Total
B-90.0		21.18
B-75.0		37.17
B-60.0		51.27
B-45.0		64.32
B-30.0		73.84
B-15.0		78.37
B0.0		77.57
B15.0		71.77
B30.0		60.89
B45.0		46.00
B60.0		29.79
B75.0		13.50
B90.0		
Total		625.66

IES Flood Report
Photometric Filename:HCP-3365965.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

ISO Lighting Intensity Curve



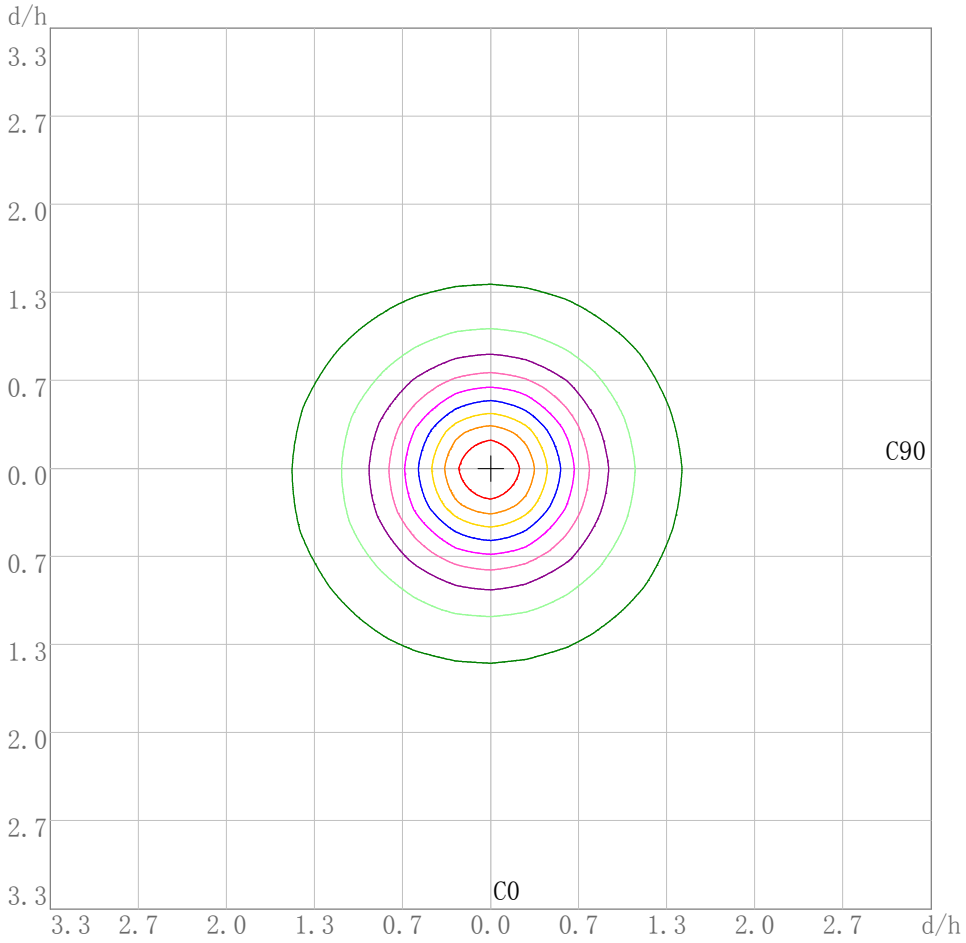
Maximum Light Intensity(cd): 199.15
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365965.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Plane ISO-Illuminance Curve



Curves:
unit:lx
[EMax] =22.128
[EMax*90%]=19.915
[EMax*80%]=17.702
[EMax*70%]=15.490
[EMax*60%]=13.277
[EMax*50%]=11.064
[EMax*40%]=8.851
[EMax*30%]=6.638
[EMax*20%]=4.426
[EMax*10%]=2.213

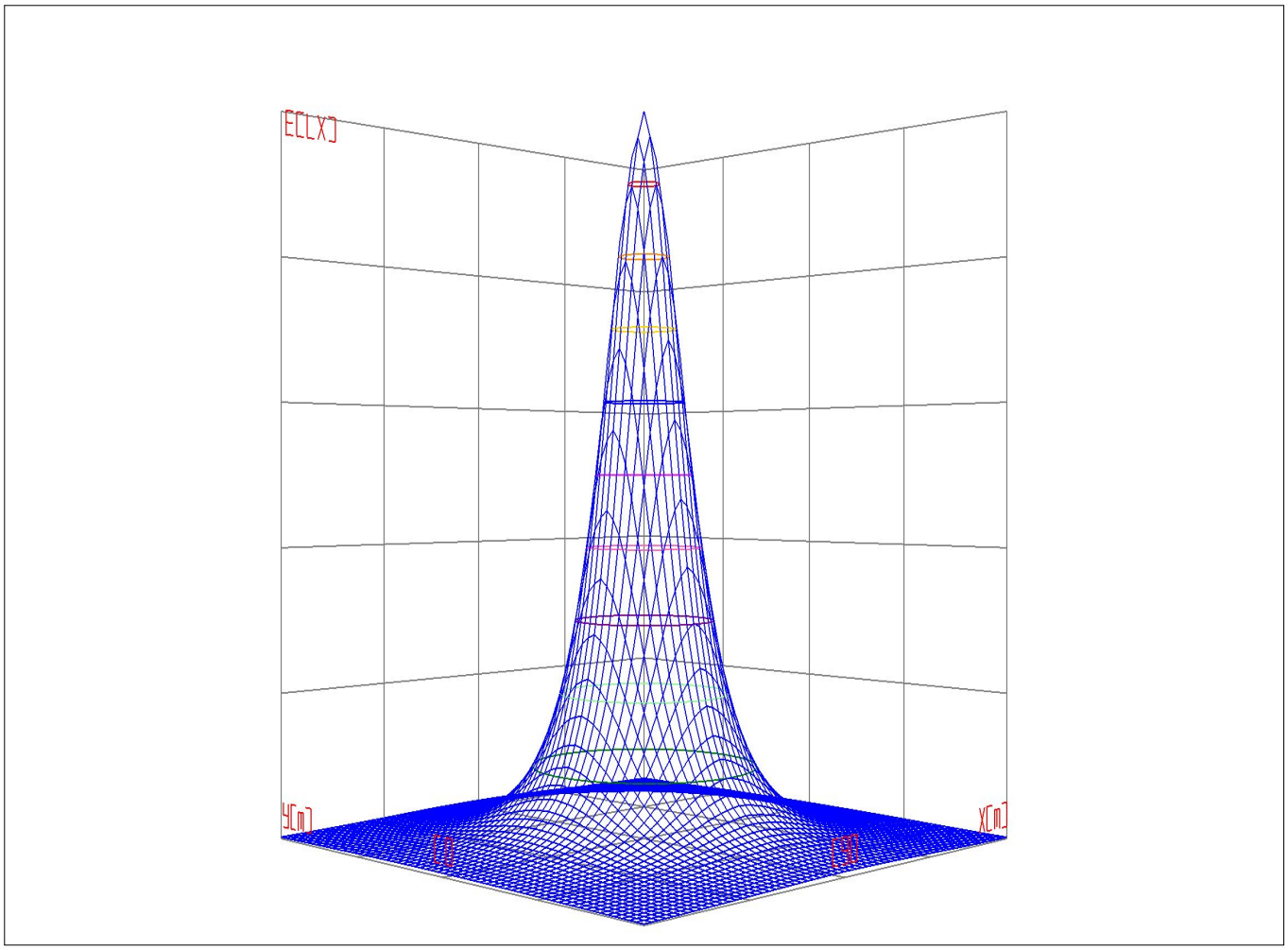
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 22.13
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365965.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

3D Plane Illuminance Modal



Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%

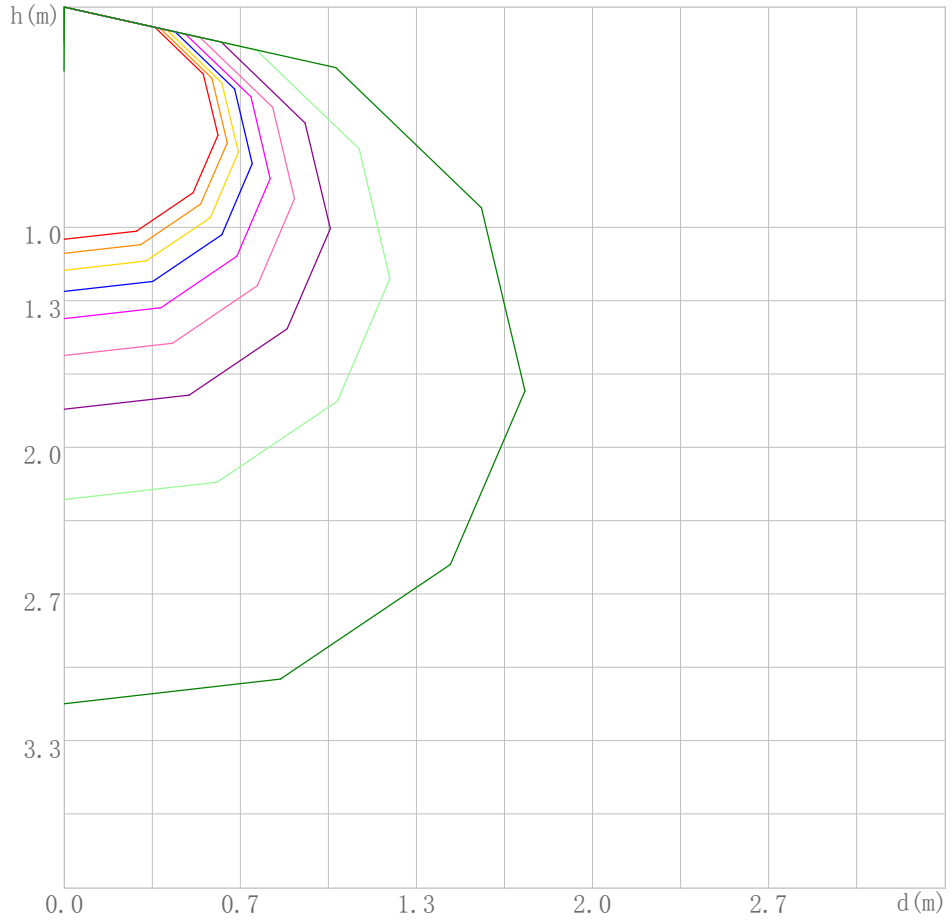
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365965.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =192.768
[EMax*90%]=173.491
[EMax*80%]=154.214
[EMax*70%]=134.938
[EMax*60%]=115.661
[EMax*50%]=96.384
[EMax*40%]=77.107
[EMax*30%]=57.830
[EMax*20%]=38.554
[EMax*10%]=19.277

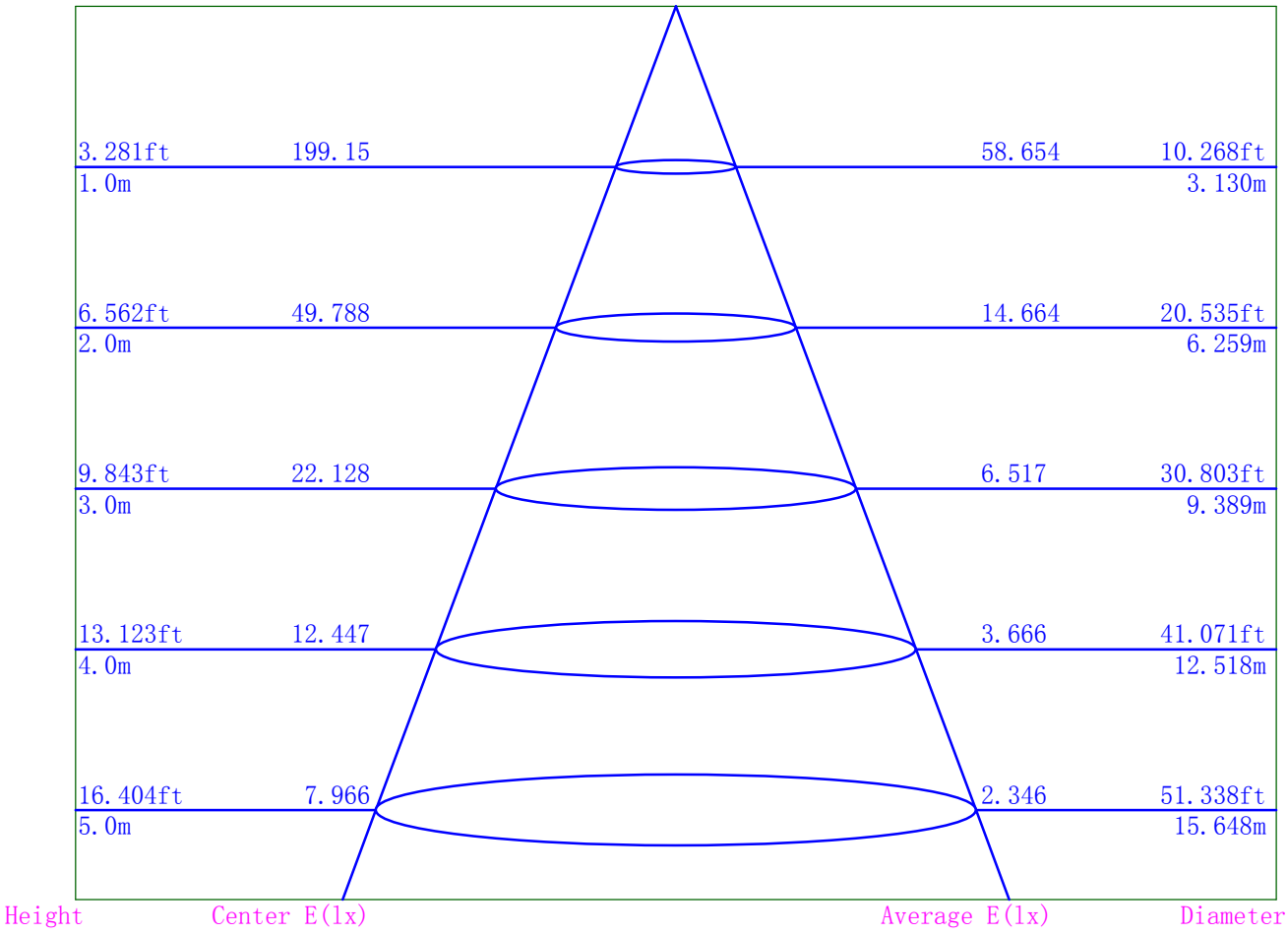
Space Plane Maximum Illuminance and @Angle:192.77lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:199.151cd,0eg

IES Flood Report
Photometric Filename: HCP-3365965.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3365965	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Illuminance-Distance Curve



Beam Angle:114.8

IES Flood Report
Photometric Filename: HCP-3365965.IES

Candela Tabulation

V/H	β -90.0	β -75.0	β -60.0	β -45.0	β -30.0	β -15.0	β 0.0	β 15.0	β 30.0	β 45.0	β 60.0	β 75.0
B-90.0	1.57	8.23	15.73	21.43	25.87	28.61	29.26	28.26	25.21	21.07	15.64	8.58
B-75.0	1.57	14.20	33.61	54.38	68.33	78.45	77.49	73.22	60.16	46.77	30.15	14.62
B-60.0	1.57	23.24	58.15	83.84	98.26	108.42	108.20	103.45	89.21	72.09	48.47	21.78
B-45.0	1.57	32.24	73.16	108.36	130.36	144.30	145.47	138.89	119.90	94.06	62.43	28.80
B-30.0	1.57	38.97	88.34	129.31	155.10	171.84	175.55	167.66	145.20	113.24	74.63	34.23
B-15.0	1.57	42.77	97.53	141.46	170.52	189.13	194.73	186.05	161.34	125.04	82.17	37.41
B0.0	1.57	43.51	99.90	144.27	174.55	192.77	199.15	189.98	165.54	127.96	84.30	38.21
B15.0	1.57	41.32	95.41	138.13	168.21	185.04	190.64	181.37	158.67	122.28	81.00	36.67
B30.0	1.57	36.09	84.68	123.50	151.09	165.10	170.02	160.52	140.87	108.54	72.48	32.71
B45.0	1.57	28.27	67.76	98.81	121.86	132.49	136.26	127.58	112.45	86.75	58.75	26.67
B60.0	1.57	18.95	47.31	68.49	85.37	92.77	95.61	88.65	78.16	60.58	41.78	19.37
B75.0	1.57	10.20	24.84	37.12	49.32	54.20	56.91	51.33	44.56	33.90	24.25	12.38
B90.0	1.57	4.82	10.24	12.35	14.22	13.12	13.02	10.30	9.00	5.73	3.33	2.89

V/H	β 90.0
B-90.0	1.62
B-75.0	1.62
B-60.0	1.62
B-45.0	1.62
B-30.0	1.62
B-15.0	1.62
B0.0	1.62
B15.0	1.62
B30.0	1.62
B45.0	1.62
B60.0	1.62
B75.0	1.62
B90.0	1.62