IES Flood Report
Photometric Filename: HCP-3355965.IES

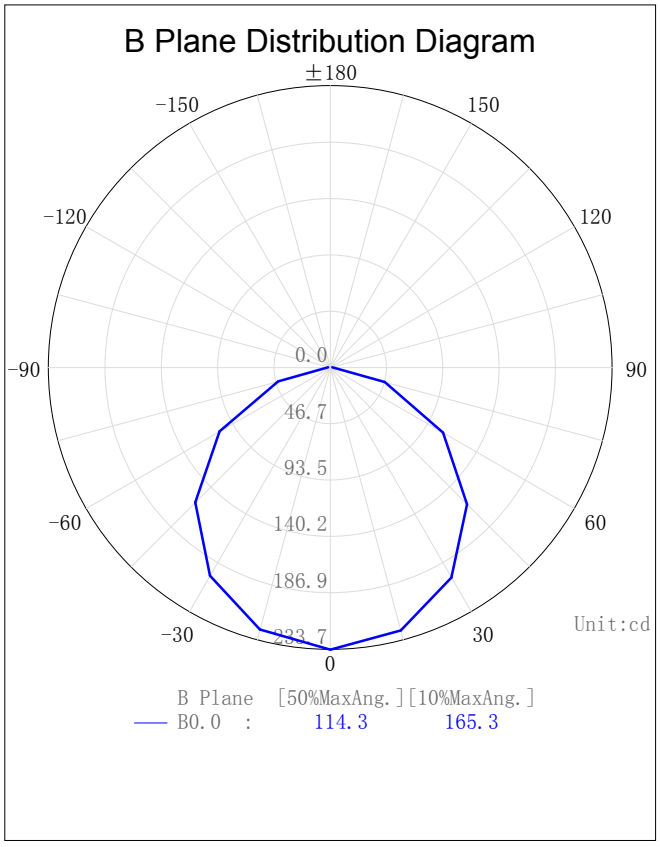
Flood Luminaire Photometric Data

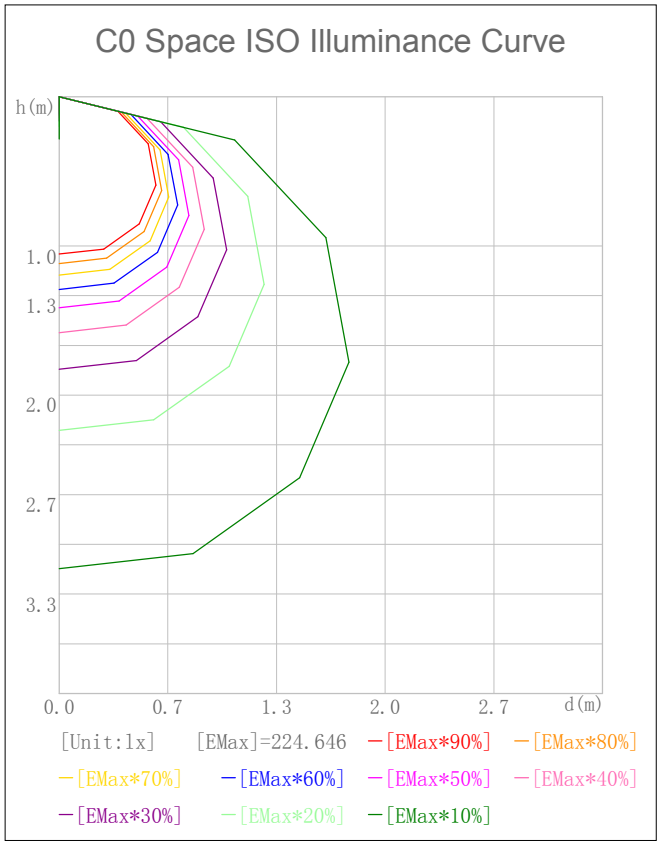
Description Information

Luminary Name: HCP-3355965		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog:	Test Date: 2019/07/02
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.010m*1.000m*0.010m		Lum.Area(m2):0.020	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): 767.780	Luminary Flux(lm):	728.610	Beam Lumens(lm): 537.06
Rated Power(W):	Luminary Efficiency:	94.90%	Beam Efficiency(%): 73.71
Rated Voltage(V):	Luminary EER(lm/W):	74.046	Field Lumens(lm): 716.72
Tested Power(W): 9.840	Max.Candela(cd):	233.679	Field Efficiency(%): 98.37
Lamps' Inside: 1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°): 544.755lm
Tested Electrics(V,A,pf):24.0,0.41,0.000	Beam Angle(50%)(V,H):	124.2(°),114.3(°)	IRF(%): 105.310
Lamp Size(W*L*H):0.010m*1.000m*0.010m	Field Angle(10%)(V,H):	177.0(°),165.3(°)	





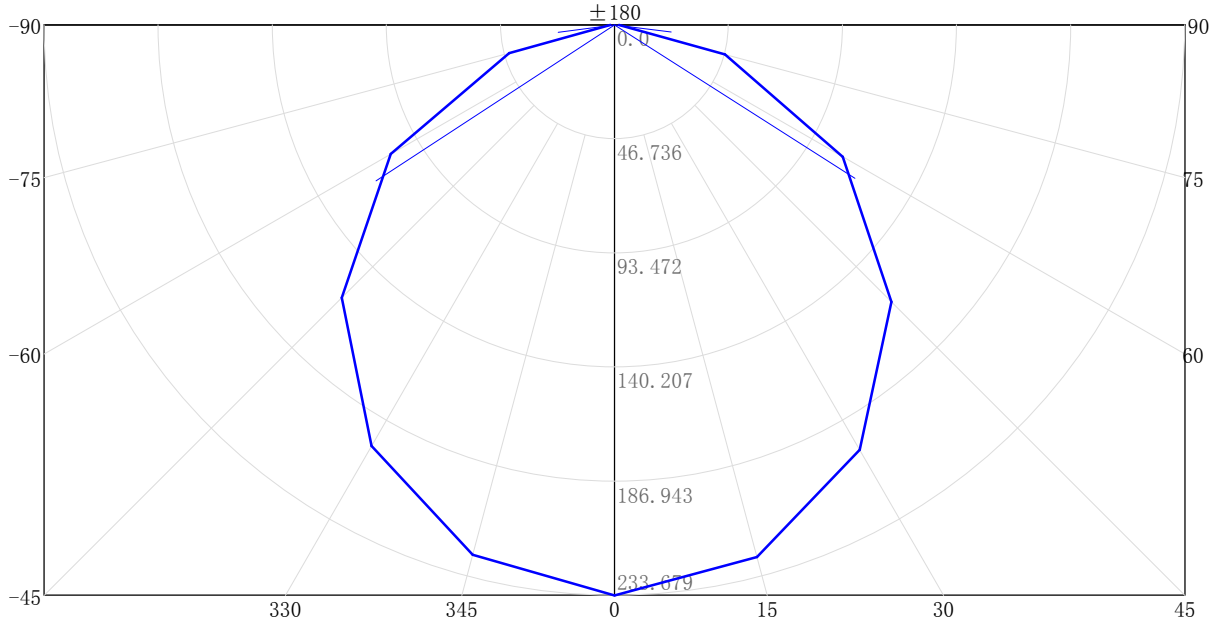
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

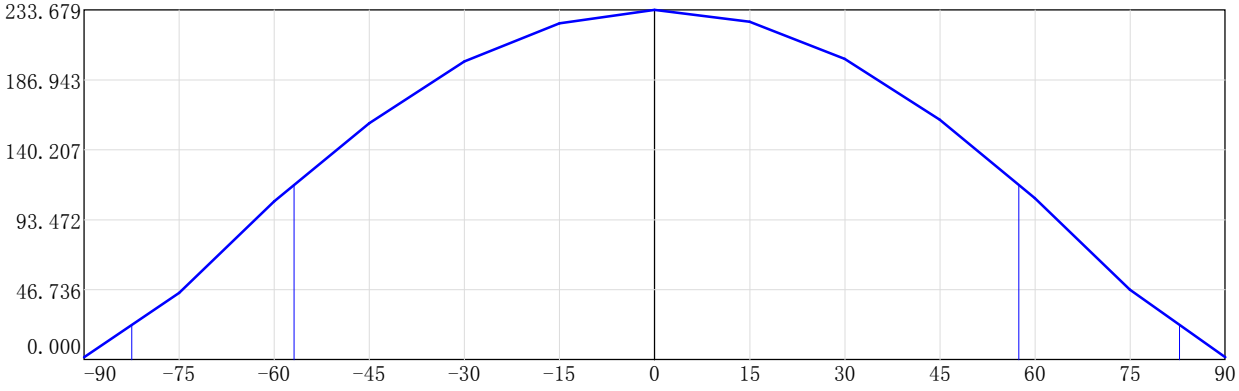
IES Flood Report
Photometric Filename: HCP-3355965.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

B Plane Distribution Diagram





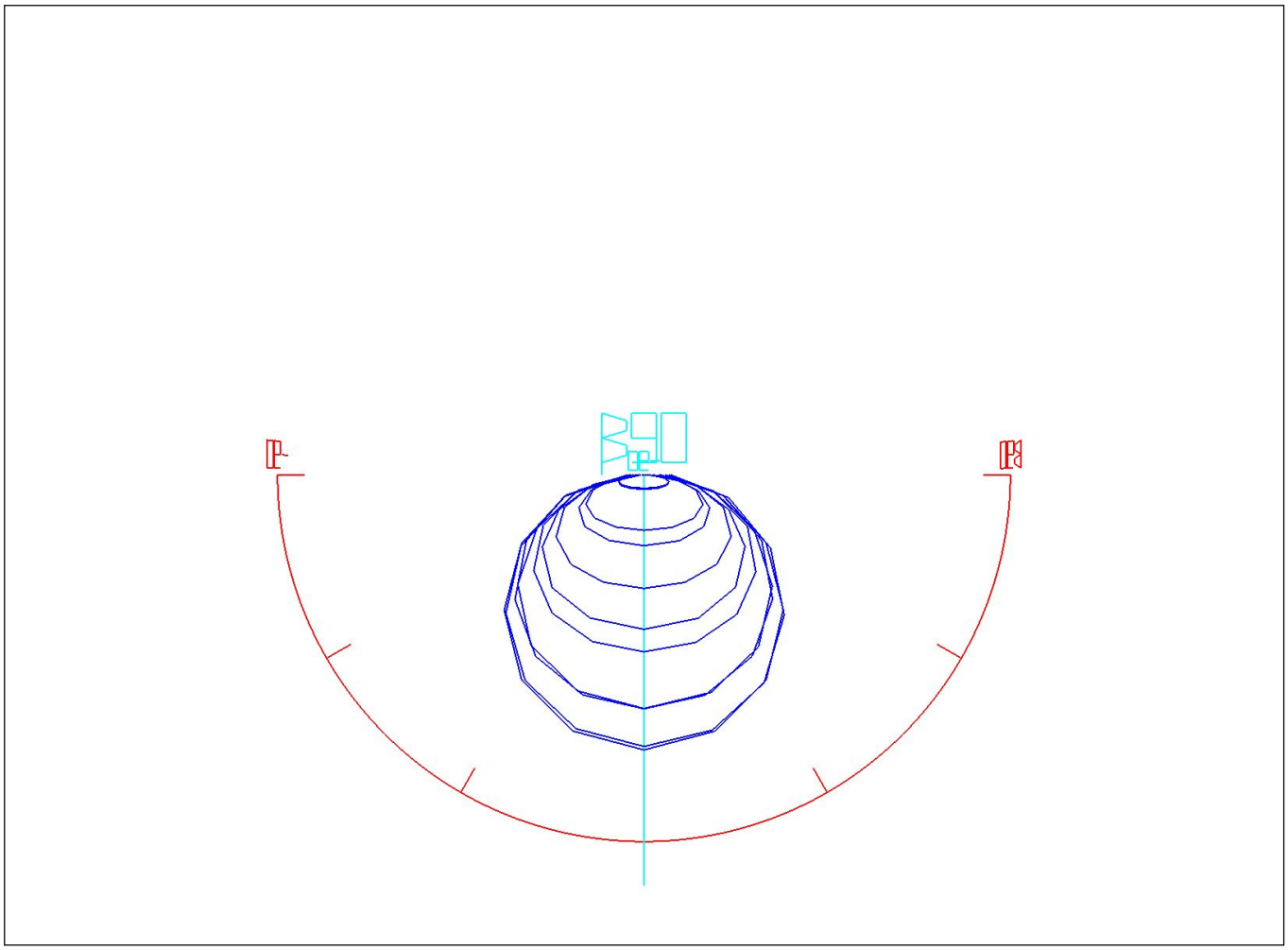
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	114.3	165.3	

IES Flood Report
Photometric Filename: HCP-3355965.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

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-3355965.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	0.04	0.29	0.81	1.48	2.21	2.73	2.83	2.46	1.74	0.96	0.35	0.05	
B-75.0	0.08	0.71	2.12	3.88	5.51	6.46	6.48	5.56	3.94	2.16	0.73	0.08	
B-60.0	0.12	1.15	3.33	5.97	8.32	9.69	9.72	8.38	6.04	3.39	1.18	0.13	
B-45.0	0.16	1.53	4.36	7.72	10.69	12.42	12.44	10.76	7.81	4.43	1.57	0.17	
B-30.0	0.19	1.80	5.06	8.93	12.34	14.33	14.36	12.42	9.04	5.15	1.85	0.20	
B-15.0	0.20	1.94	5.40	9.53	13.17	15.28	15.32	13.25	9.64	5.49	1.99	0.21	
B0.0	0.20	1.94	5.41	9.55	13.19	15.31	15.34	13.28	9.66	5.51	1.99	0.21	
B15.0	0.19	1.81	5.07	8.97	12.39	14.39	14.42	12.47	9.08	5.17	1.86	0.20	
B30.0	0.16	1.54	4.36	7.76	10.74	12.49	12.52	10.82	7.86	4.44	1.58	0.17	
B45.0	0.12	1.15	3.34	6.02	8.39	9.79	9.81	8.46	6.10	3.40	1.19	0.12	
B60.0	0.07	0.72	2.14	3.97	5.63	6.61	6.64	5.68	4.03	2.19	0.75	0.08	
B75.0	0.04	0.32	0.97	1.87	2.71	3.22	3.18	2.62	1.77	0.90	0.30	0.04	
B90.0													
Total	1.57	14.89	42.38	75.65	105.28	122.72	123.05	106.16	76.72	43.20	15.35	1.65	

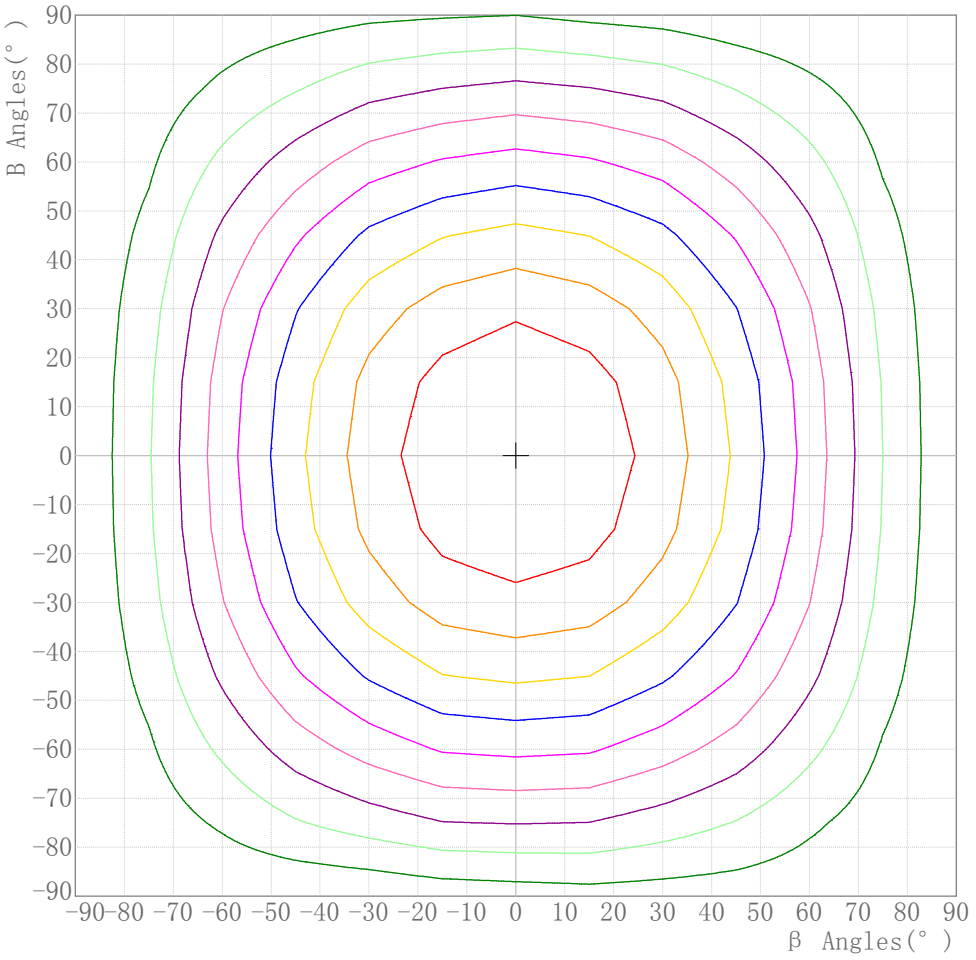
	β 90.0	Total
B-90.0		15.95
B-75.0		37.72
B-60.0		57.41
B-45.0		74.07
B-30.0		85.67
B-15.0		91.43
B0.0		91.59
B15.0		86.01
B30.0		74.42
B45.0		57.90
B60.0		38.51
B75.0		17.92
B90.0		
Total		728.61

IES Flood Report
Photometric Filename: HCP-3355965.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =233.679
[IMax*90%]=210.311
[IMax*80%]=186.943
[IMax*70%]=163.575
[IMax*60%]=140.207
[IMax*50%]=116.840
[IMax*40%]=93.472
[IMax*30%]=70.104
[IMax*20%]=46.736
[IMax*10%]=23.368

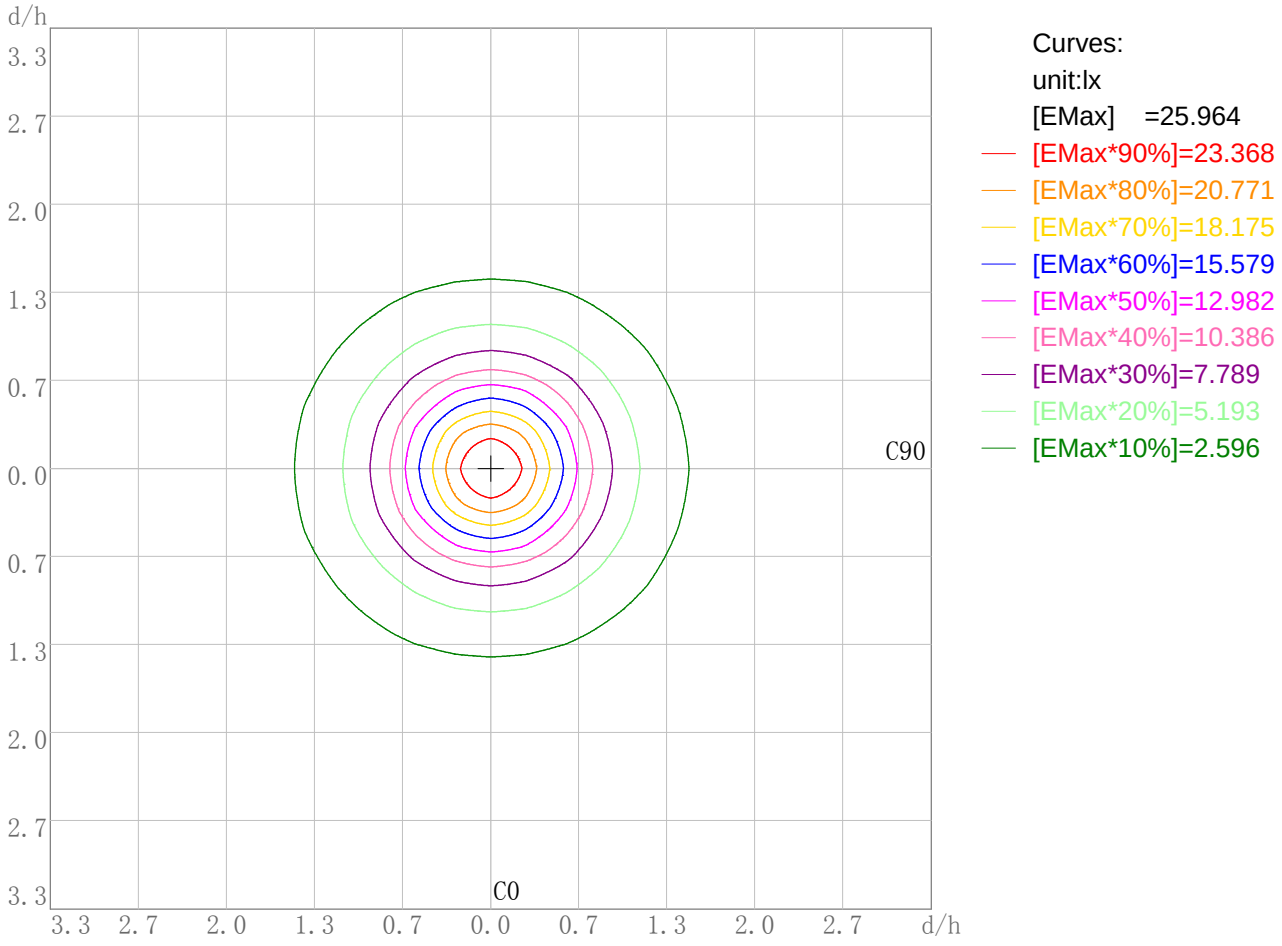
Maximum Light Intensity(cd): 233.68
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355965.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

Plane ISO-Illuminance Curve



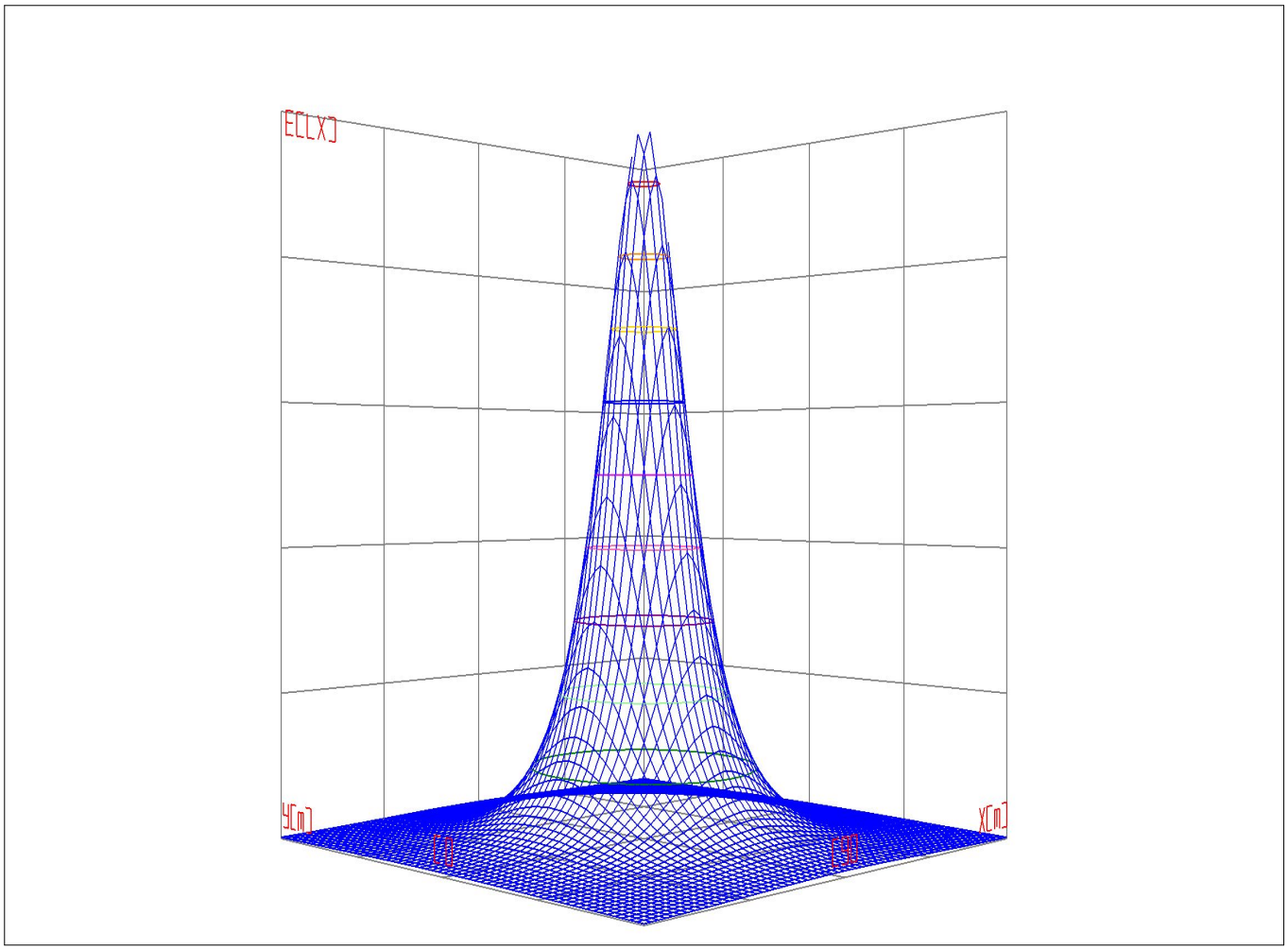
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 25.96
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355965.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

3D Plane Illuminance Modal



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

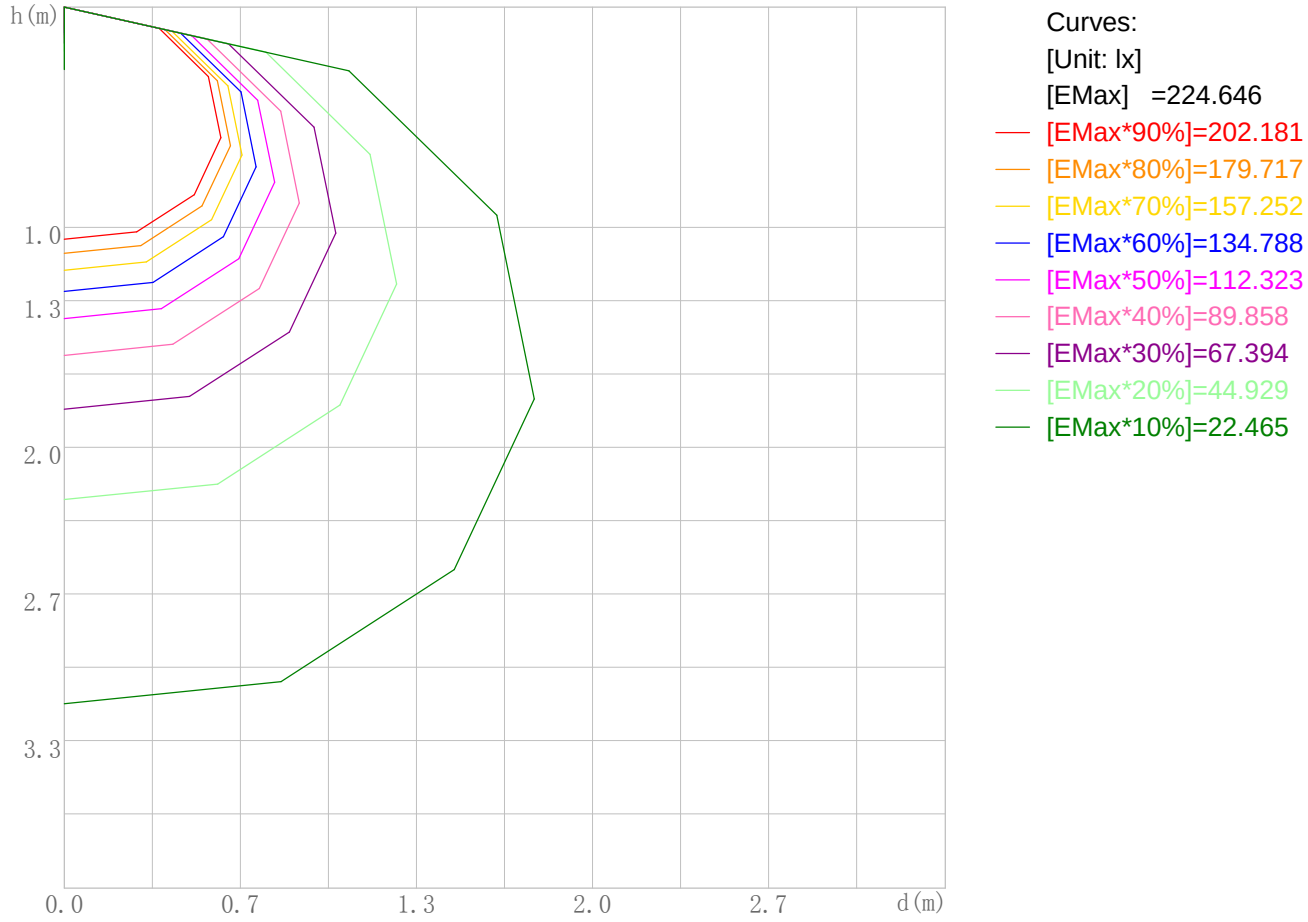
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355965.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

Space ISO Illuminance Curve



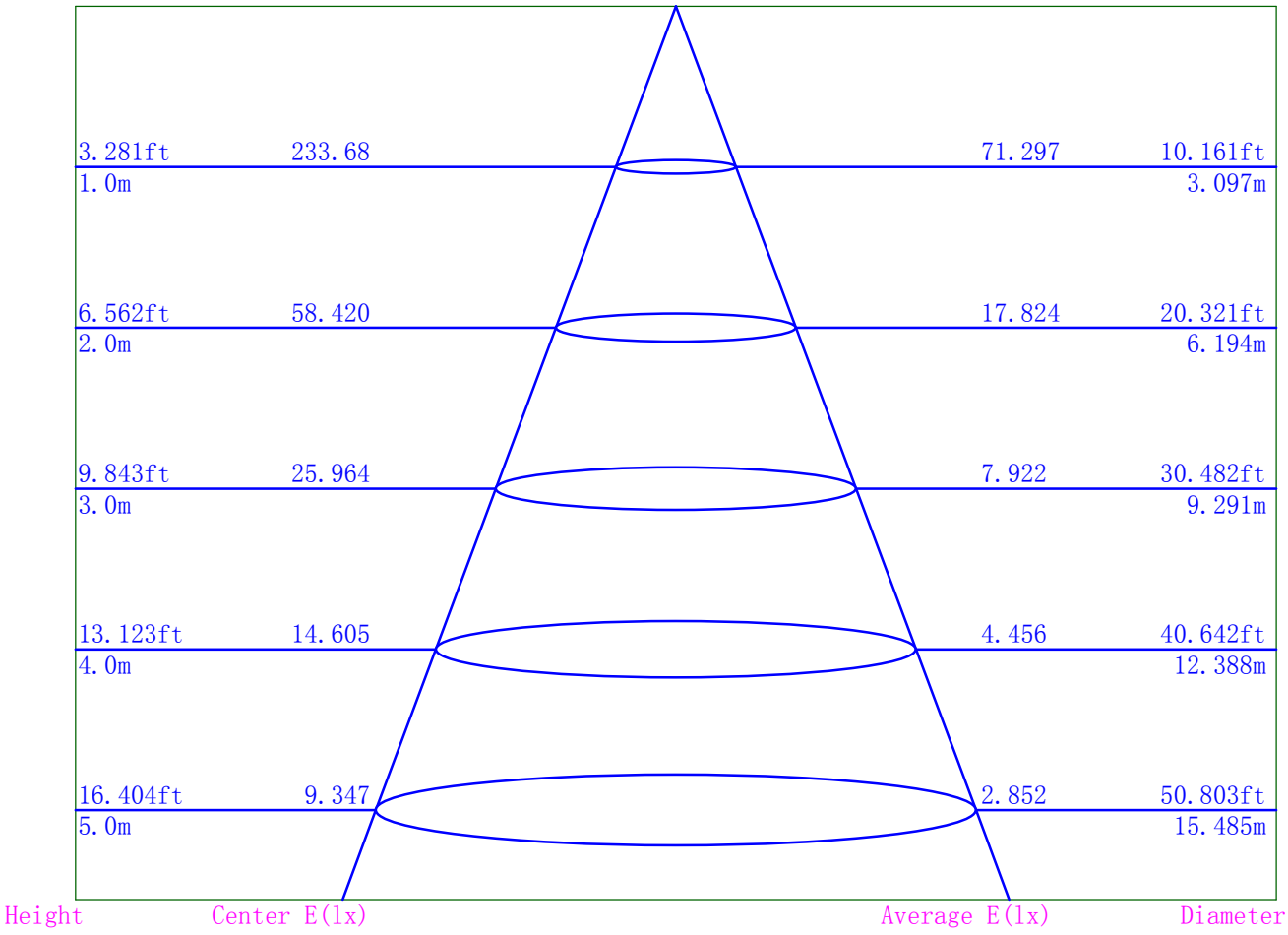
Space Plane Maximum Illuminance and @Angle:224.65lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:233.679cd,0eg

IES Flood Report
Photometric Filename: HCP-3355965.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355965	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

Illuminance-Distance Curve



Beam Angle:114.3

IES Flood Report
Photometric Filename: HCP-3355965.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	1.76	3.32	3.75	2.99	3.63	9.04	11.70	14.33	12.59	11.00	8.49	5.38
B-75.0	1.76	10.81	26.72	44.78	58.04	69.40	71.08	69.83	58.88	45.73	27.44	11.55
B-60.0	1.76	20.25	50.99	81.10	102.63	118.90	122.18	119.53	103.84	82.49	52.11	21.27
B-45.0	1.76	30.09	74.05	113.79	142.59	162.98	168.07	163.80	143.99	115.63	75.57	31.50
B-30.0	1.76	38.10	92.21	139.05	174.01	197.45	204.44	198.35	175.53	141.18	93.94	39.83
B-15.0	1.76	43.15	102.38	153.24	192.60	217.90	226.06	218.81	194.26	155.59	104.30	45.04
B0.0	1.76	44.73	105.82	158.00	199.16	224.65	233.68	225.68	200.95	160.43	107.95	46.82
B15.0	1.76	42.94	102.88	153.49	193.74	217.92	227.34	218.96	195.51	155.93	105.11	45.13
B30.0	1.76	37.72	92.70	138.67	175.77	197.27	206.67	198.27	177.43	140.91	94.79	39.78
B45.0	1.76	29.60	74.81	113.01	144.75	162.42	170.72	163.25	146.25	114.92	76.52	31.30
B60.0	1.76	19.71	52.16	80.77	105.63	118.88	125.75	119.59	106.79	82.29	53.46	20.95
B75.0	1.76	10.10	27.98	45.03	61.66	70.24	75.58	70.82	62.57	45.96	28.77	11.18
B90.0	1.76	2.13	7.97	12.71	18.55	21.32	23.20	18.09	14.23	7.57	3.94	1.65

V/H	β 90.0
B-90.0	1.80
B-75.0	1.80
B-60.0	1.80
B-45.0	1.80
B-30.0	1.80
B-15.0	1.80
B0.0	1.80
B15.0	1.80
B30.0	1.80
B45.0	1.80
B60.0	1.80
B75.0	1.80
B90.0	1.80