IES Flood Report
Photometric Filename: HCP-3365962.IES

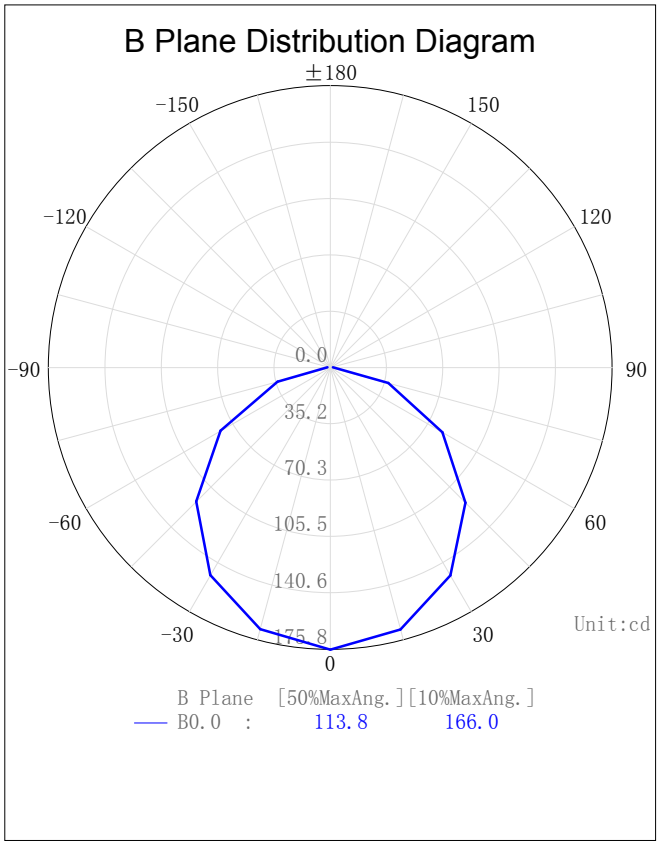
Flood Luminaire Photometric Data

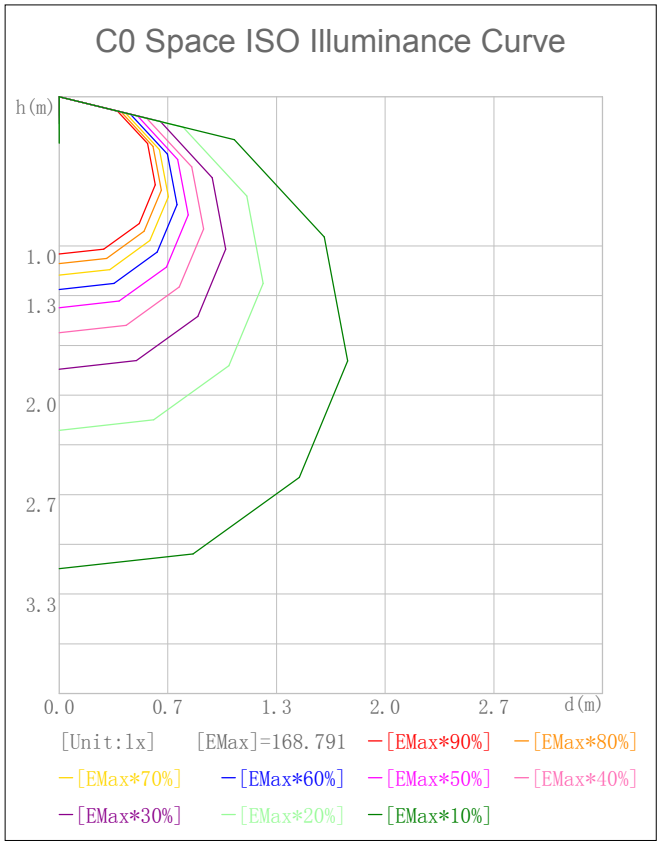
Description Information

Luminary Name: HCP-3365962		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700K		Lamp Catelog:	Test Date: 2019/07/16
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):	606.890	Luminary Flux(lm):	558.060	Beam Lumens(lm):	403.55
Rated Power(W):		Luminary Efficiency:	91.95%	Beam Efficiency(%):	72.31
Rated Voltage(V):		Luminary EER(lm/W):	59.622	Field Lumens(lm):	550.67
Tested Power(W):	9.360	Max.Candela(cd):	175.756	Field Efficiency(%):	98.68
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	406.8491m
Tested Electrics(V,A,pf):24.0,0.390,0.000		Beam Angle(50%)(V,H):	126.0(°),113.8(°)	IRF(%):	106.392
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.1(°),166.0(°)		





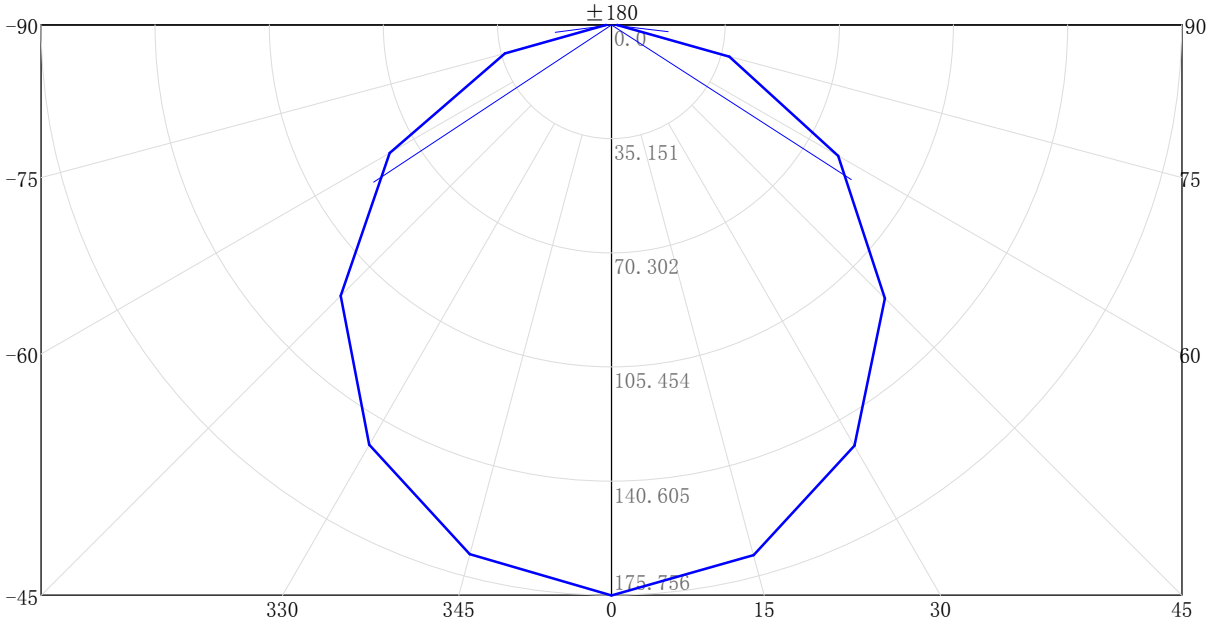
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

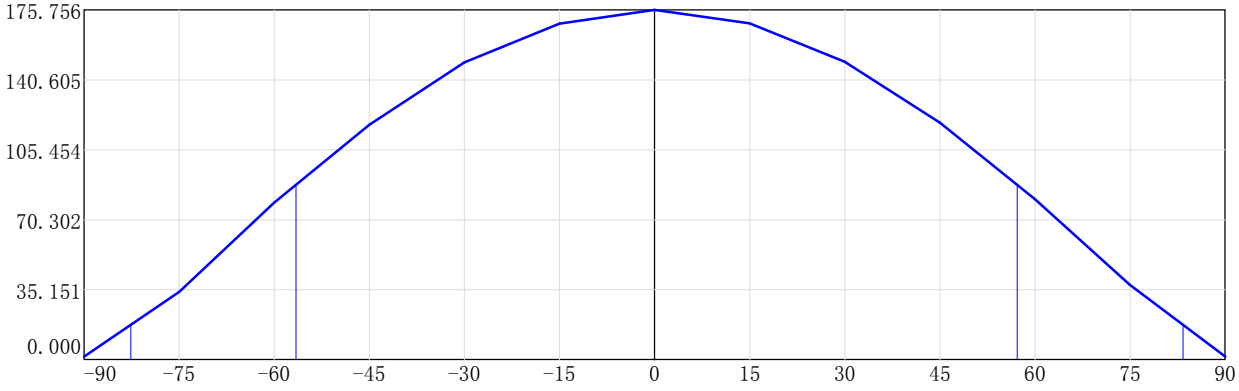
IES Flood Report
Photometric Filename: HCP-3365962.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

B Plane Distribution Diagram





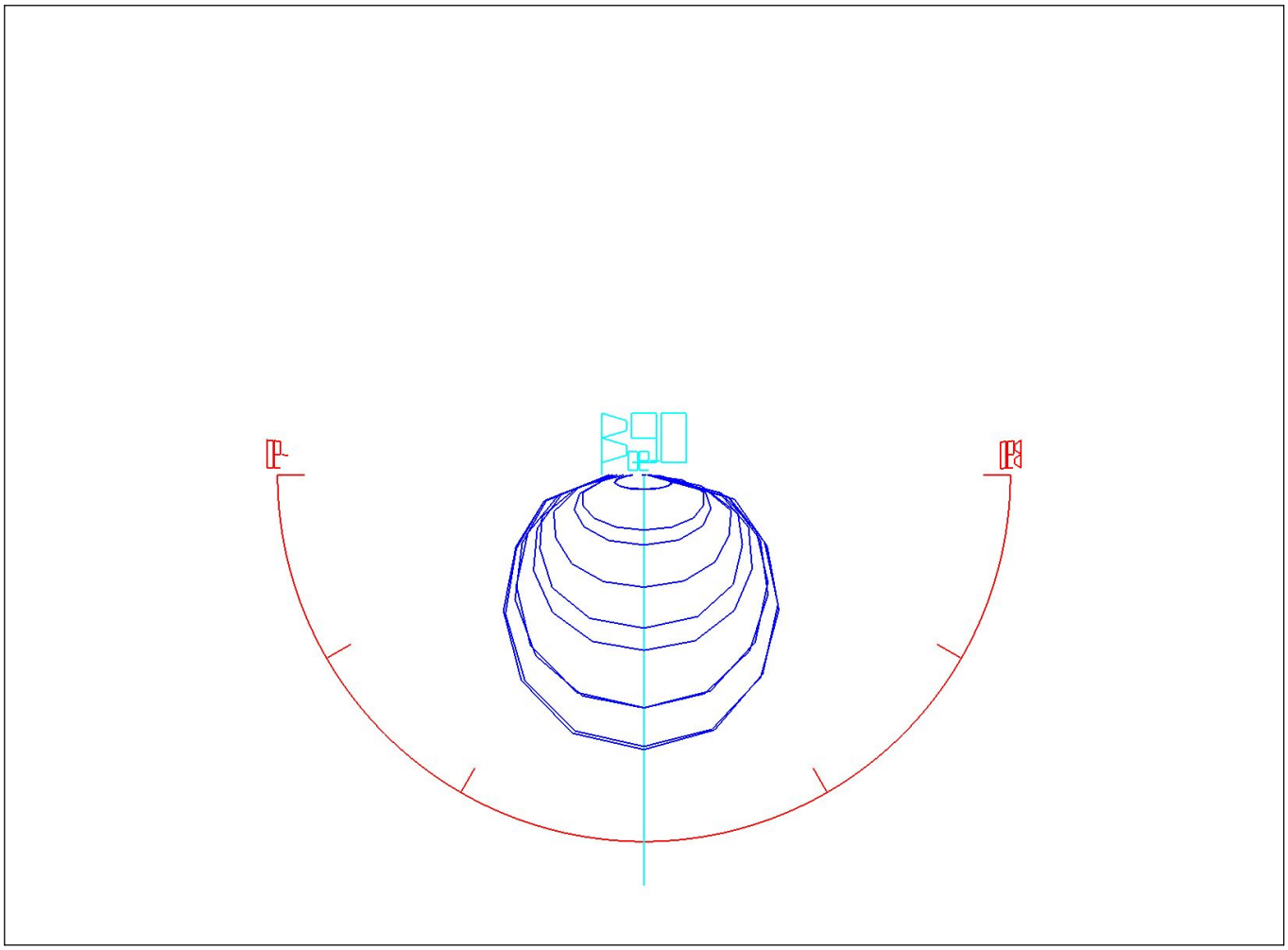
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	113.8	166.0	

IES Flood Report
Photometric Filename: HCP-3365962.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

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-3365962.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	0.05	0.39	1.06	1.88	2.62	3.03	3.02	2.60	1.87	1.06	0.40	0.05	
B-75.0	0.07	0.68	1.98	3.48	4.73	5.46	5.45	4.70	3.44	1.98	0.71	0.08	
B-60.0	0.11	0.98	2.76	4.77	6.45	7.44	7.43	6.44	4.74	2.76	1.02	0.12	
B-45.0	0.13	1.21	3.34	5.85	8.08	9.37	9.37	8.08	5.86	3.37	1.26	0.14	
B-30.0	0.15	1.38	3.82	6.74	9.33	10.84	10.84	9.34	6.76	3.86	1.44	0.16	
B-15.0	0.16	1.46	4.05	7.17	9.93	11.54	11.55	9.95	7.20	4.11	1.53	0.17	
B0.0	0.16	1.46	4.03	7.14	9.88	11.49	11.50	9.91	7.18	4.10	1.53	0.17	
B15.0	0.15	1.36	3.76	6.64	9.18	10.66	10.67	9.20	6.68	3.82	1.43	0.16	
B30.0	0.13	1.18	3.23	5.68	7.83	9.09	9.11	7.87	5.73	3.29	1.24	0.14	
B45.0	0.10	0.93	2.62	4.56	6.19	7.14	7.16	6.23	4.60	2.67	0.99	0.11	
B60.0	0.07	0.63	1.81	3.21	4.36	5.04	5.05	4.38	3.24	1.86	0.68	0.08	
B75.0	0.03	0.26	0.71	1.27	1.76	2.06	2.06	1.77	1.28	0.73	0.28	0.04	
B90.0													
Total	1.30	11.91	33.19	58.38	80.33	93.14	93.20	80.45	58.59	33.60	12.52	1.45	

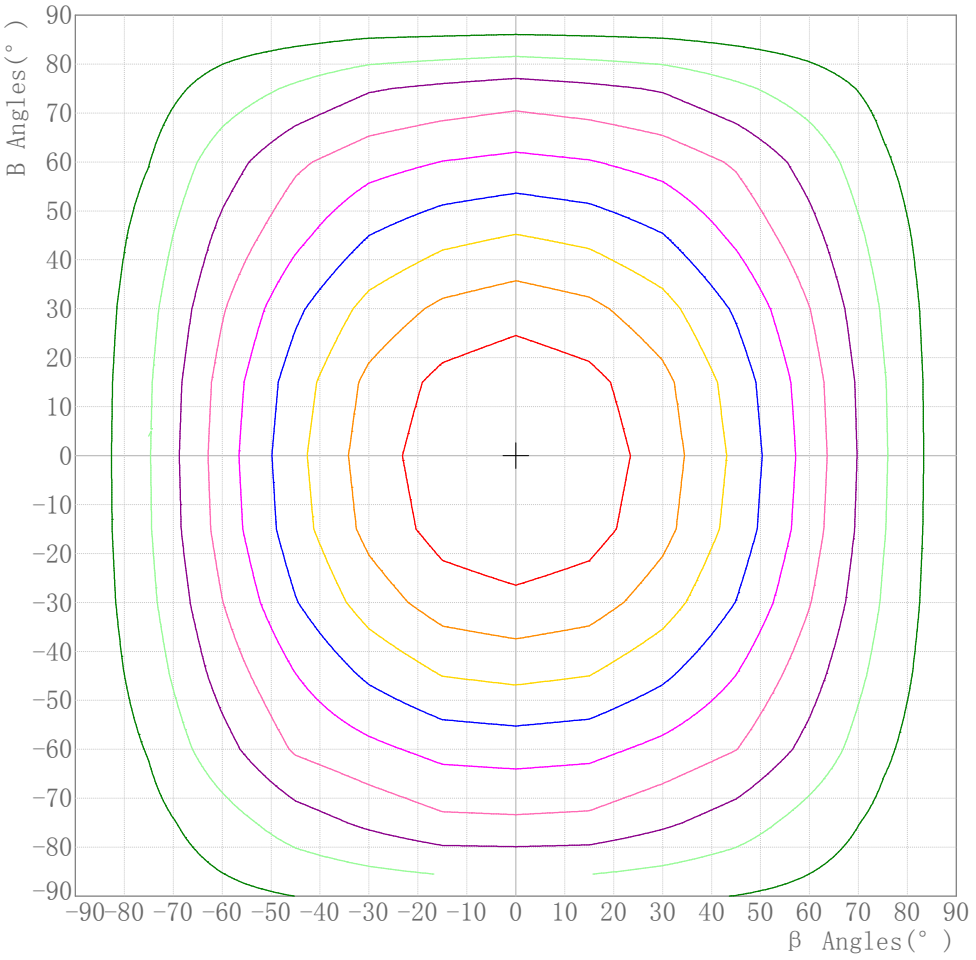
	β 90.0	Total
B-90.0		18.03
B-75.0		32.76
B-60.0		45.01
B-45.0		56.06
B-30.0		64.65
B-15.0		68.81
B0.0		68.53
B15.0		63.72
B30.0		54.53
B45.0		43.30
B60.0		30.42
B75.0		12.24
B90.0		
Total		558.06

IES Flood Report
Photometric Filename: HCP-3365962.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =175.756
[IMax*90%]=158.180
[IMax*80%]=140.605
[IMax*70%]=123.029
[IMax*60%]=105.454
[IMax*50%]=87.878
[IMax*40%]=70.302
[IMax*30%]=52.727
[IMax*20%]=35.151
[IMax*10%]=17.576

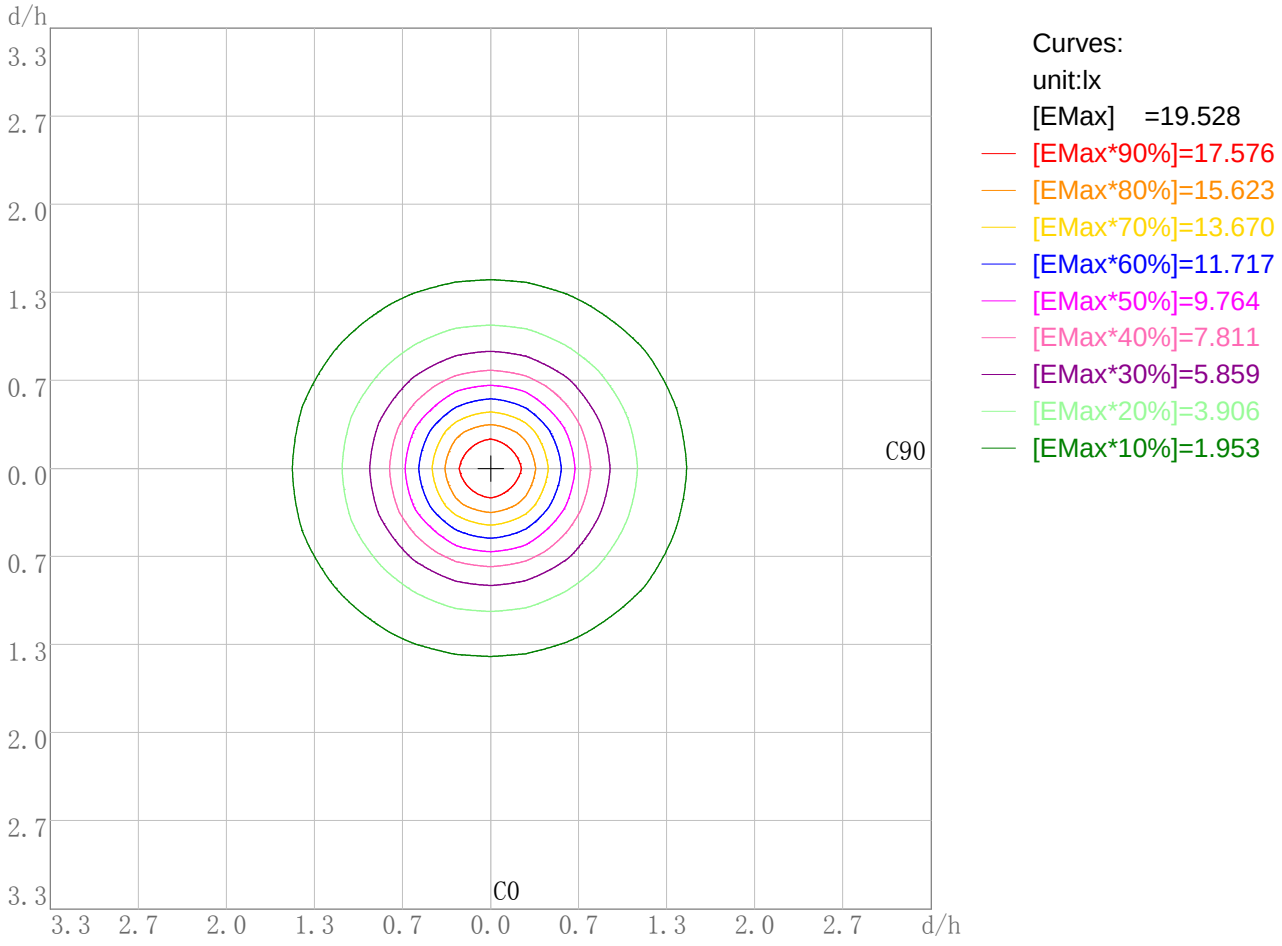
Maximum Light Intensity(cd): 175.76
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365962.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Plane ISO-Illuminance Curve



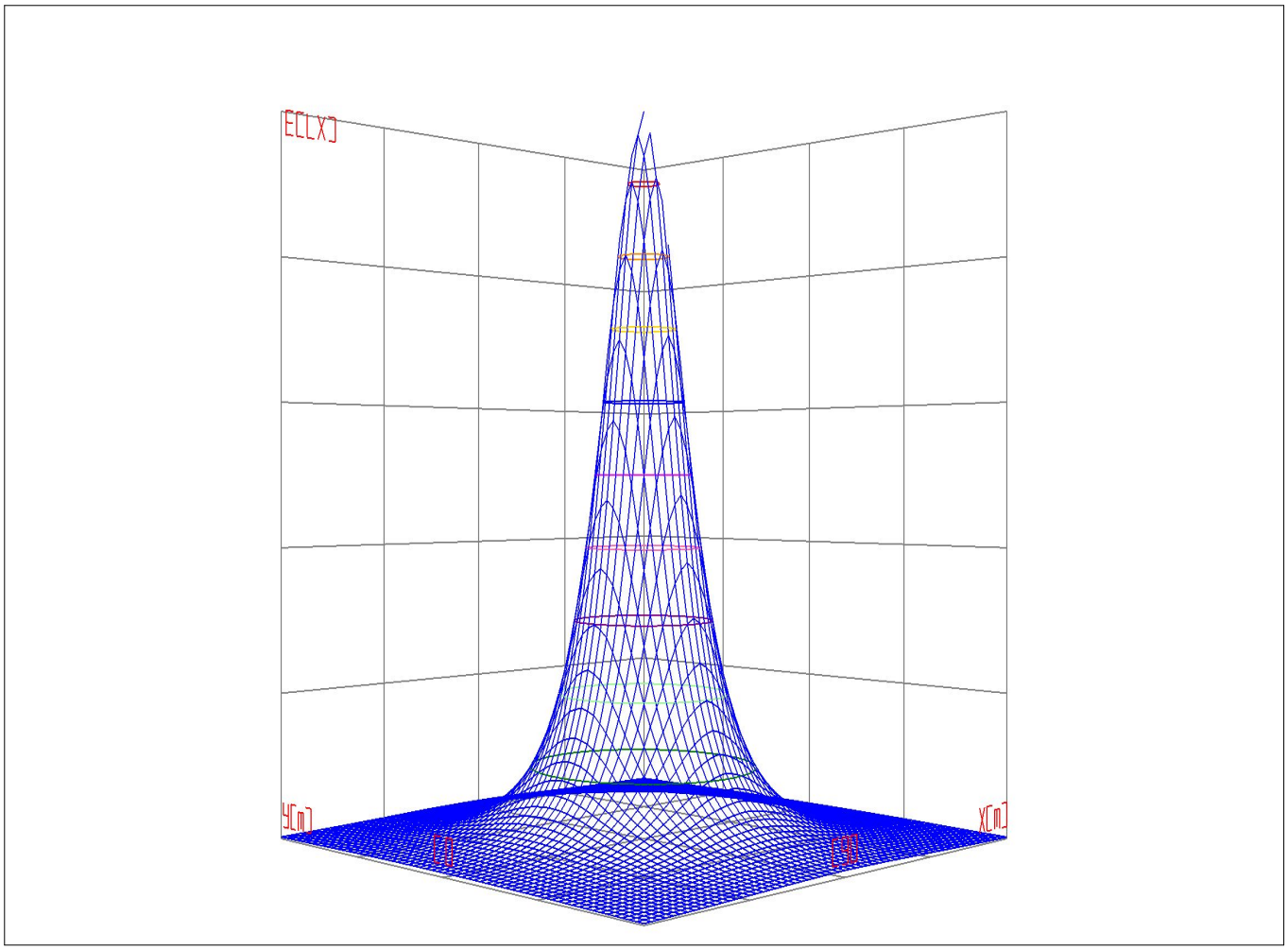
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 19.53
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365962.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

3D Plane Illuminance Modal



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

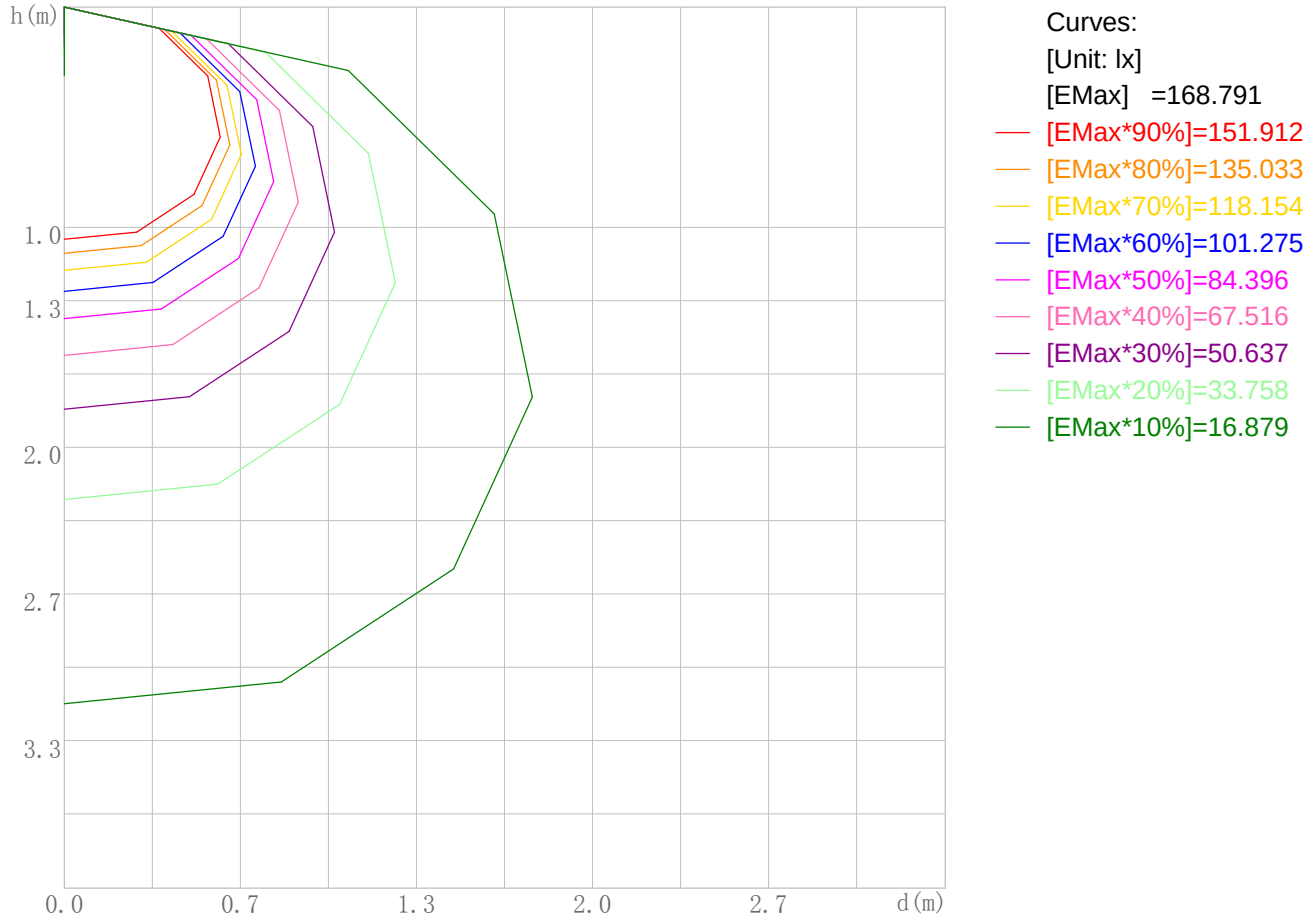
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365962.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Space ISO Illuminance Curve



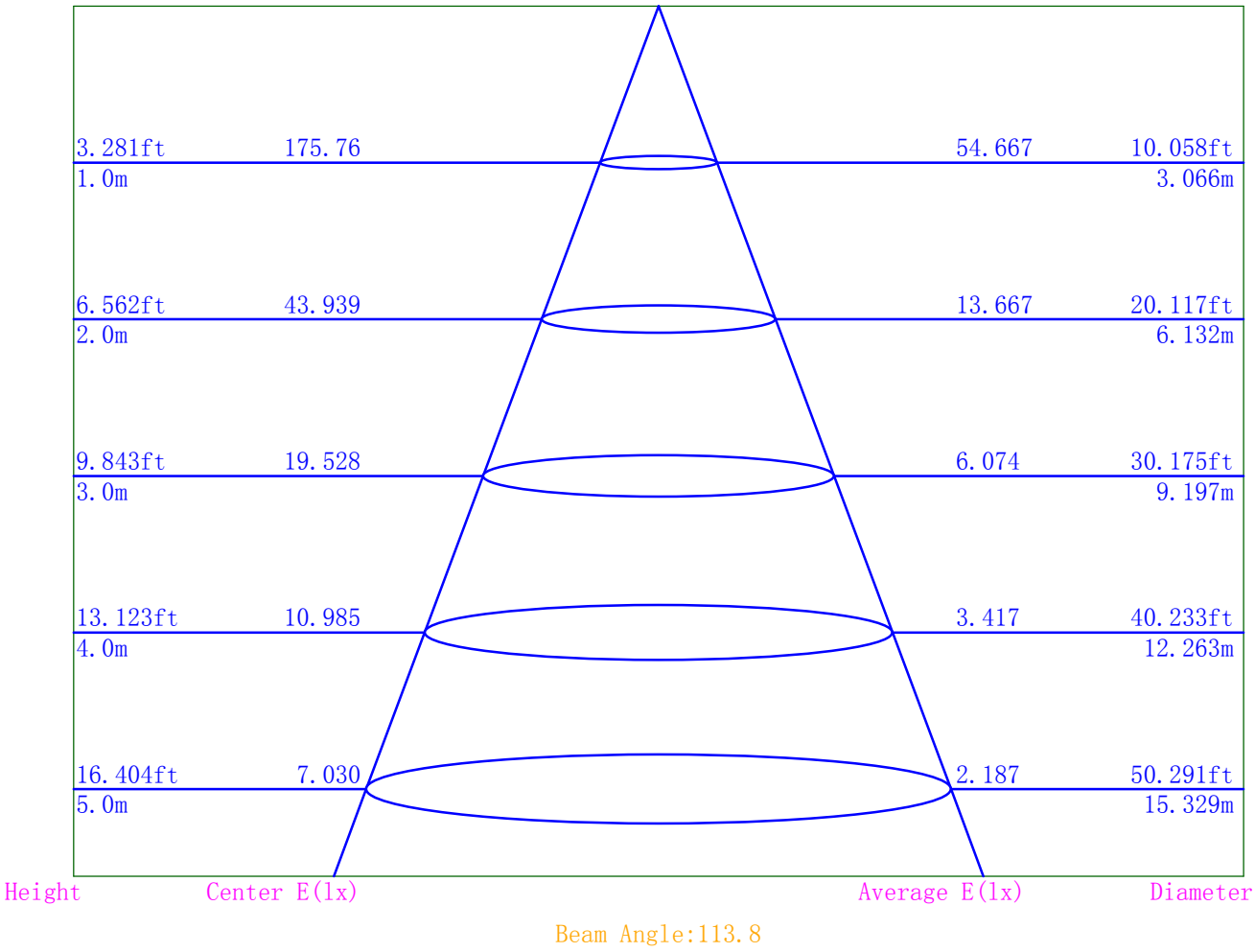
Space Plane Maximum Illuminance and @Angle:168.79lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:175.756cd,0eg

IES Flood Report
Photometric Filename: HCP-3365962.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Illuminance-Distance Curve



Beam Angle:113.8

IES Flood Report
Photometric Filename: HCP-3365962.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	1.64	6.94	13.02	17.66	20.68	22.54	22.85	22.30	20.39	17.30	13.11	7.83
B-75.0	1.64	11.66	27.29	44.35	56.27	66.23	67.21	65.88	55.92	44.17	27.80	13.00
B-60.0	1.64	18.67	46.33	72.61	83.44	93.44	95.47	93.15	82.97	70.66	47.36	20.72
B-45.0	1.64	25.43	59.40	87.35	108.41	123.19	126.92	123.06	108.50	87.68	59.80	28.08
B-30.0	1.64	30.57	69.86	104.51	131.21	148.84	154.06	148.85	131.31	105.10	71.14	33.63
B-15.0	1.64	33.43	77.09	115.49	145.80	165.13	171.61	165.30	146.07	116.33	78.55	36.58
B0.0	1.64	34.02	78.93	118.05	149.33	168.79	175.76	169.06	149.68	119.14	80.68	37.55
B15.0	1.64	33.07	76.62	114.30	144.84	163.17	170.40	163.43	145.33	115.44	78.56	36.74
B30.0	1.64	29.83	68.68	101.93	128.88	144.37	151.18	144.82	129.41	102.99	70.66	33.46
B45.0	1.64	24.21	57.28	83.04	105.39	117.66	123.48	118.21	106.13	84.18	58.51	27.45
B60.0	1.64	17.11	44.37	67.14	80.80	88.22	92.07	88.80	81.23	68.09	45.91	19.87
B75.0	1.64	9.50	24.87	38.02	51.03	56.37	60.79	56.59	51.06	38.69	26.17	12.45
B90.0	1.64	2.26	2.66	2.23	2.22	2.05	2.14	2.13	2.24	2.36	2.51	2.38

V/H	β 90.0
B-90.0	1.64
B-75.0	1.64
B-60.0	1.64
B-45.0	1.64
B-30.0	1.64
B-15.0	1.64
B0.0	1.64
B15.0	1.64
B30.0	1.64
B45.0	1.64
B60.0	1.64
B75.0	1.64
B90.0	1.64