IES Flood Report
Photometric Filename: HCP-3355482.IES

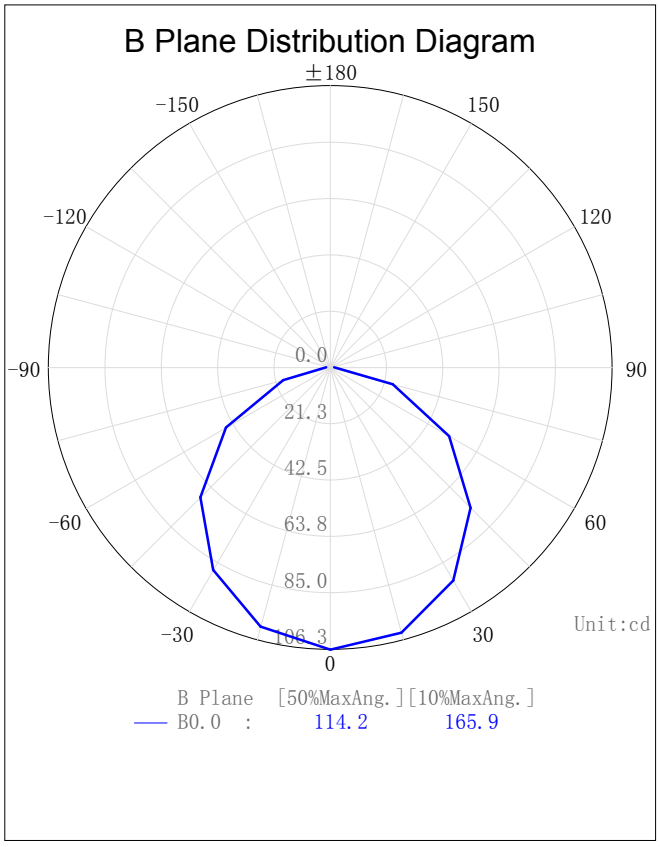
Flood Luminaire Photometric Data

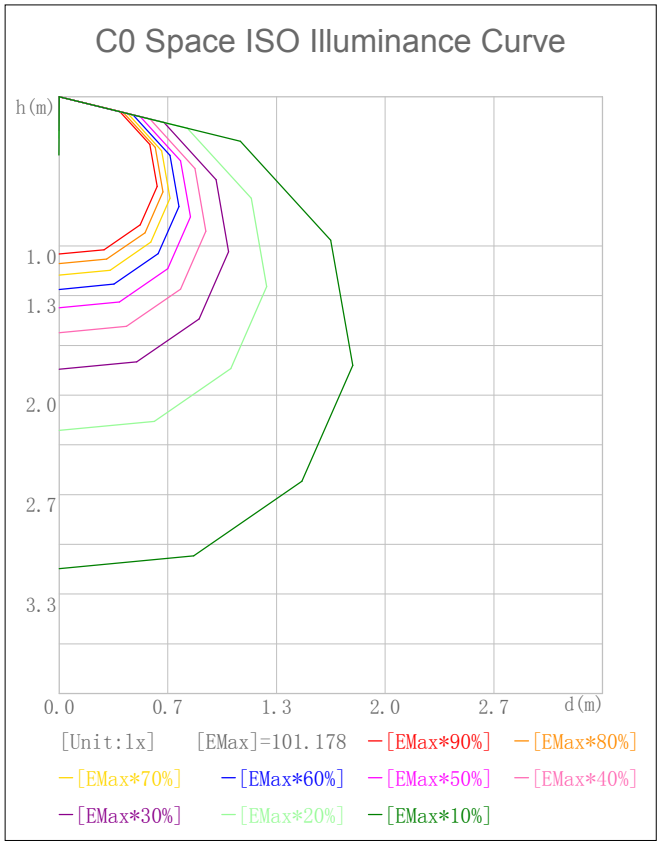
Description Information

Luminary Name: HCP-3355482		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700k		Lamp Catelog:	Test Date: 2019/07/08
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):	312.740	Luminary Flux(lm):	329.588	Beam Lumens(lm):	241.74
Rated Power(W):		Luminary Efficiency:	105.39%	Beam Efficiency(%):	73.35
Rated Voltage(V):		Luminary EER(lm/W):	70.425	Field Lumens(lm):	324.15
Tested Power(W):	4.680	Max.Candela(cd):	106.299	Field Efficiency(%):	98.35
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	246.088lm
Tested Electrics(V,A,pf):24.0,0.195,0.000		Beam Angle(50%)(V,H):	122.7(°),114.2(°)	IRF(%):	106.369
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	175.5(°),165.9(°)		





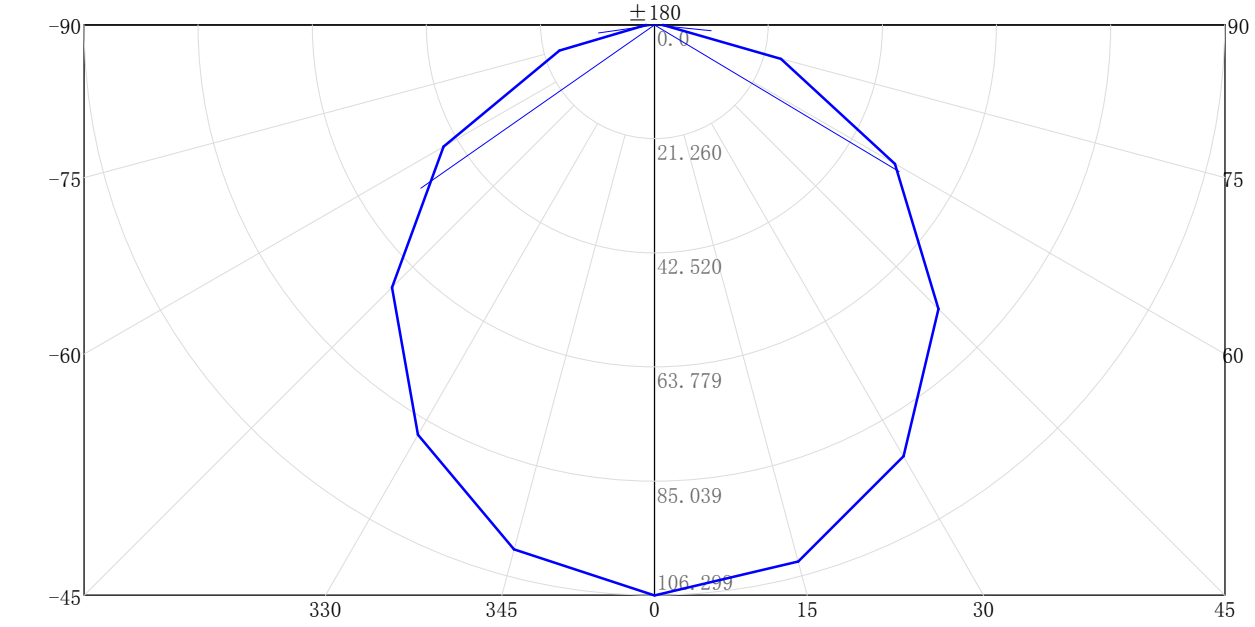
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

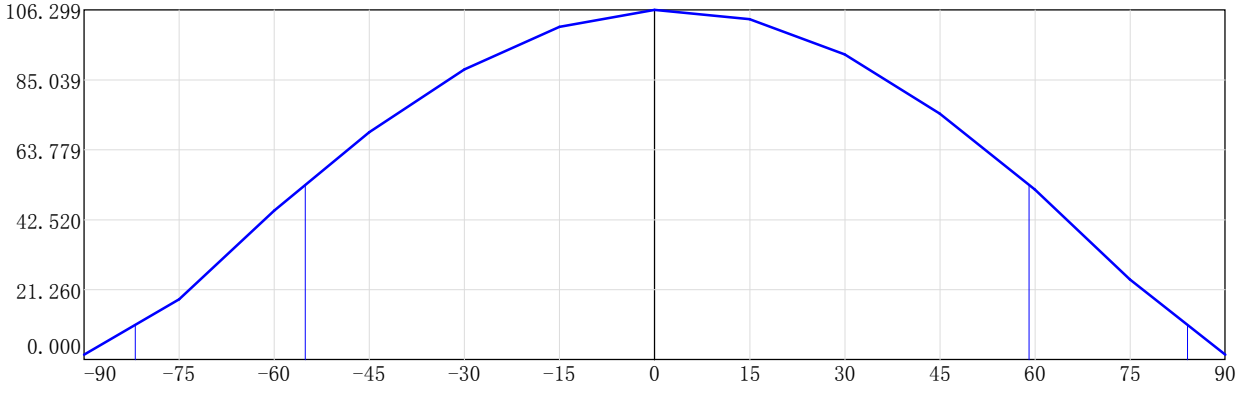
IES Flood Report
Photometric Filename: HCP-3355482.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

B Plane Distribution Diagram





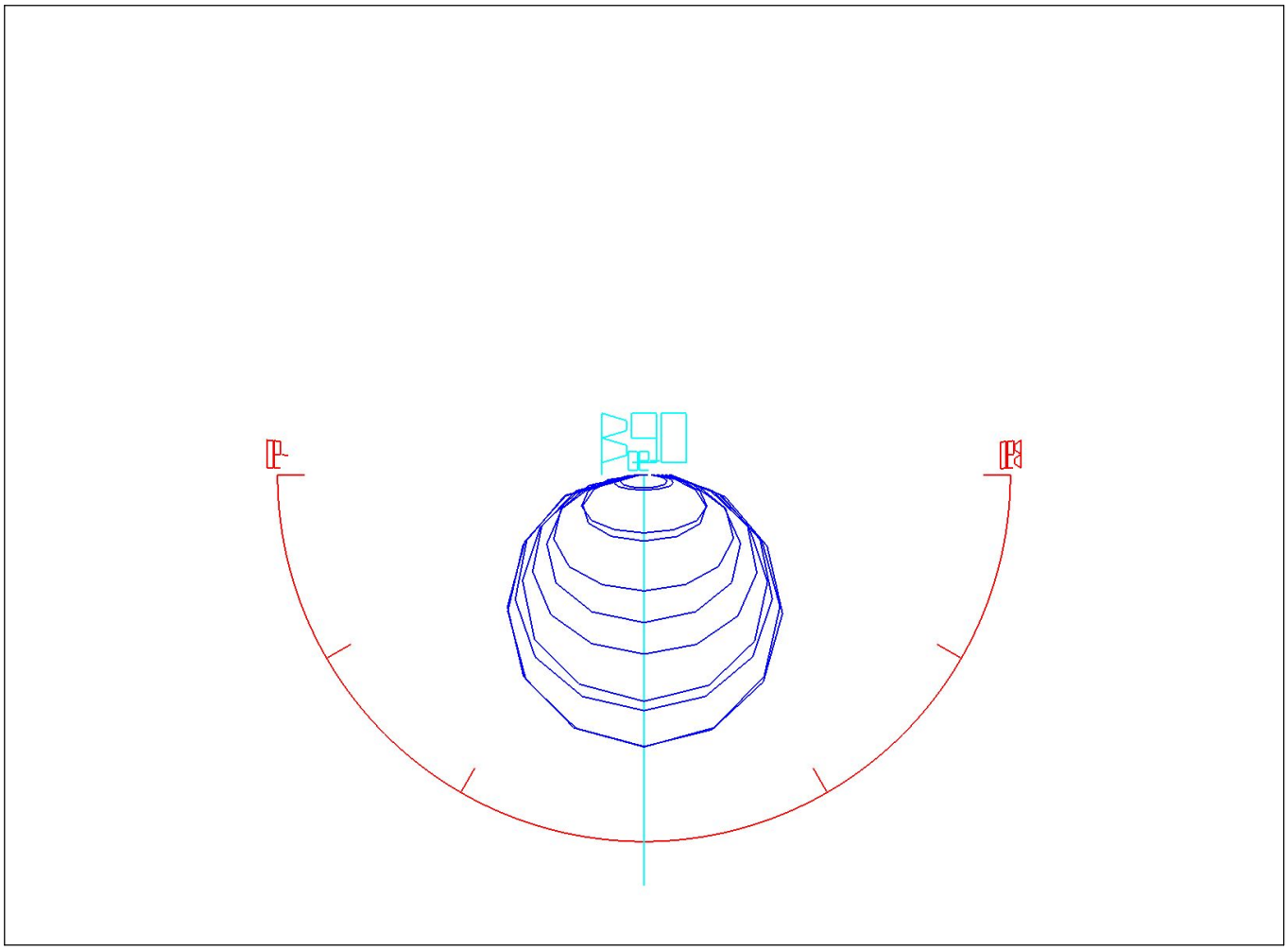
	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B Plane			
B0.0 :	114.2	165.9	

IES Flood Report
Photometric Filename: HCP-3355482.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

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-3355482.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	0.02	0.14	0.37	0.67	0.95	1.13	1.15	1.01	0.73	0.43	0.17	0.03	
B-75.0	0.04	0.31	0.93	1.71	2.45	2.90	2.94	2.56	1.87	1.07	0.40	0.05	
B-60.0	0.06	0.49	1.44	2.61	3.68	4.32	4.38	3.83	2.81	1.63	0.61	0.07	
B-45.0	0.07	0.65	1.89	3.39	4.74	5.57	5.64	4.93	3.63	2.11	0.79	0.09	
B-30.0	0.08	0.77	2.20	3.93	5.50	6.46	6.54	5.71	4.19	2.44	0.92	0.11	
B-15.0	0.09	0.82	2.35	4.20	5.88	6.91	6.99	6.10	4.47	2.59	0.98	0.11	
B0.0	0.09	0.82	2.35	4.20	5.89	6.92	7.00	6.10	4.48	2.59	0.98	0.11	
B15.0	0.08	0.77	2.20	3.95	5.52	6.49	6.56	5.72	4.21	2.44	0.92	0.11	
B30.0	0.07	0.66	1.89	3.41	4.76	5.60	5.67	4.95	3.64	2.11	0.79	0.09	
B45.0	0.05	0.50	1.45	2.63	3.69	4.35	4.41	3.85	2.82	1.62	0.61	0.07	
B60.0	0.04	0.32	0.93	1.72	2.44	2.90	2.94	2.56	1.86	1.05	0.39	0.05	
B75.0	0.02	0.16	0.45	0.83	1.18	1.42	1.44	1.24	0.90	0.51	0.20	0.03	
B90.0													
Total	0.71	6.40	18.46	33.25	46.69	54.97	55.67	48.56	35.61	20.60	7.76	0.93	

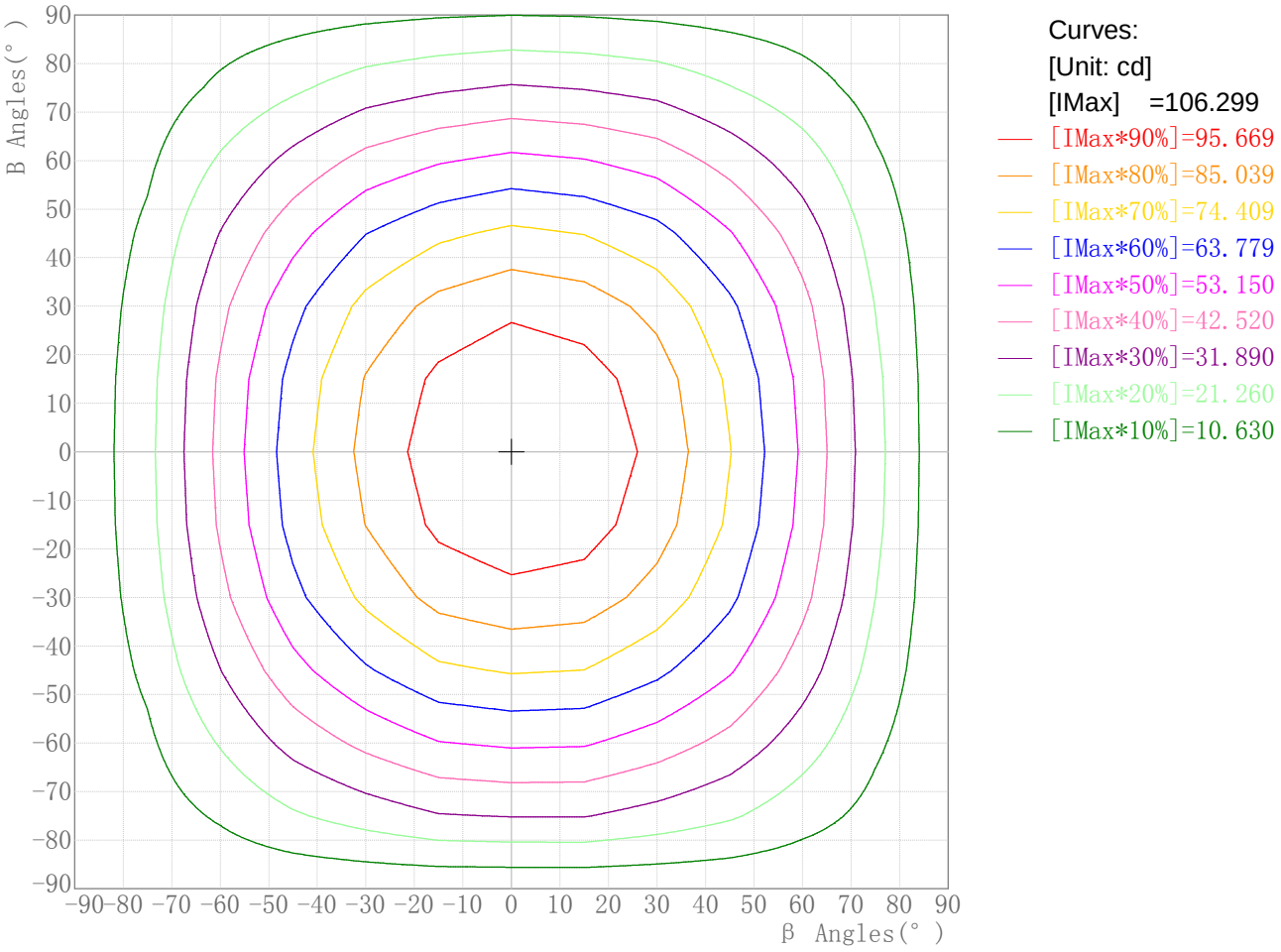
	β 90.0	Total
B-90.0		6.80
B-75.0		17.22
B-60.0		25.94
B-45.0		33.50
B-30.0		38.85
B-15.0		41.50
B0.0		41.54
B15.0		38.96
B30.0		33.65
B45.0		26.04
B60.0		17.20
B75.0		8.39
B90.0		
Total		329.59

IES Flood Report
Photometric Filename: HCP-3355482.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

ISO Lighting Intensity Curve



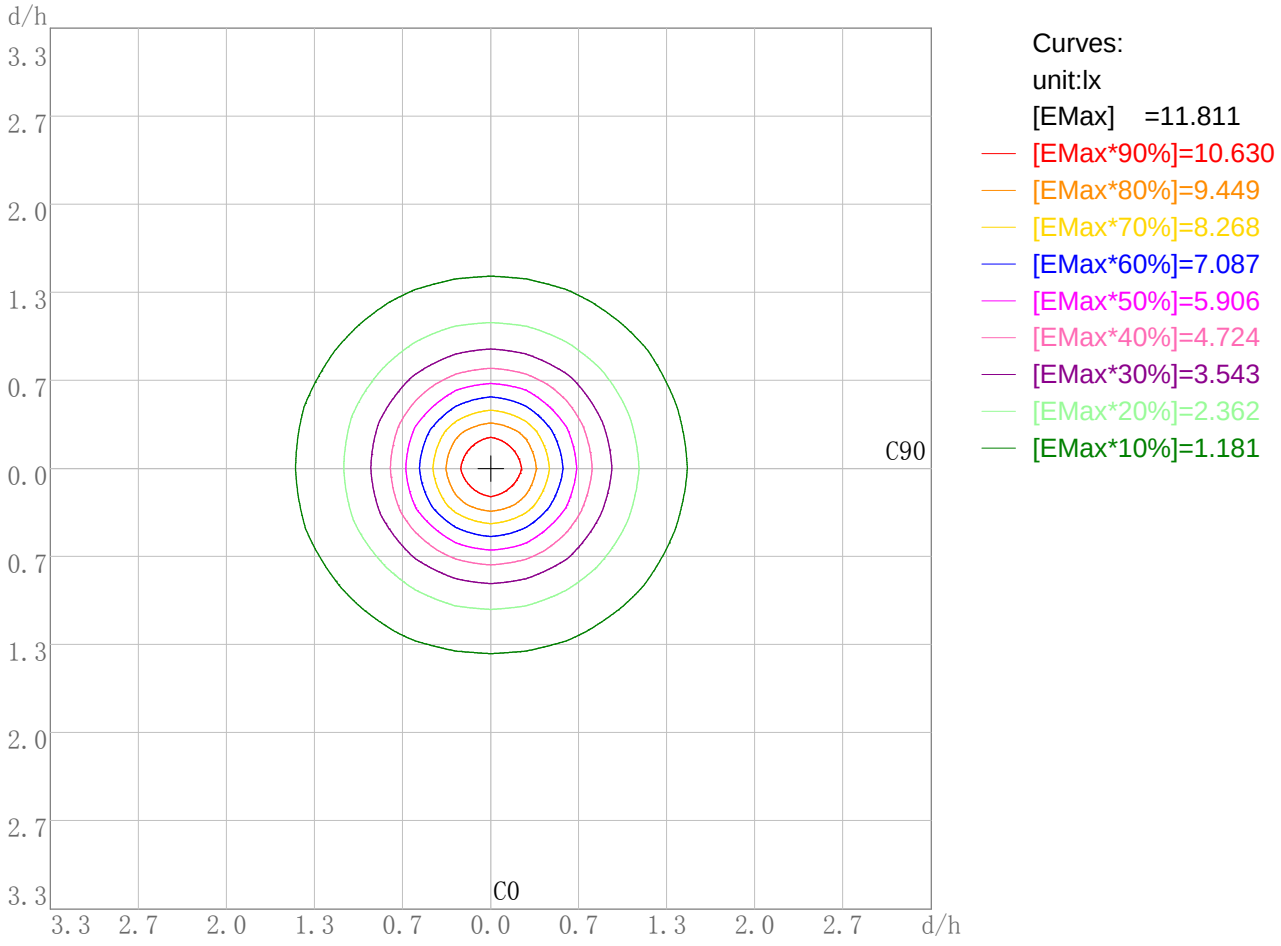
Maximum Light Intensity(cd): 106.30
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355482.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Plane ISO-Illuminance Curve



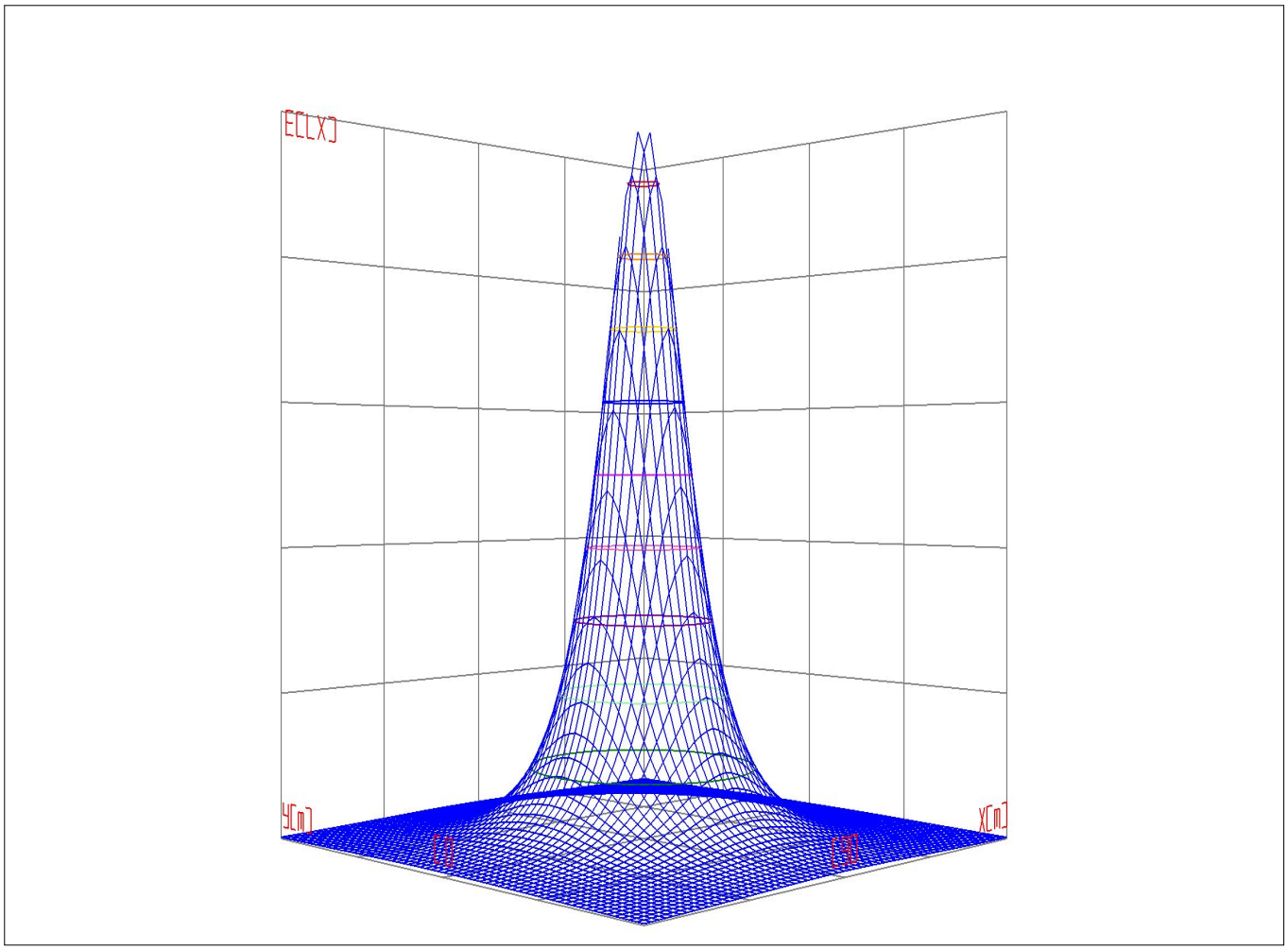
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 11.81
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355482.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

3D Plane Illuminance Modal



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

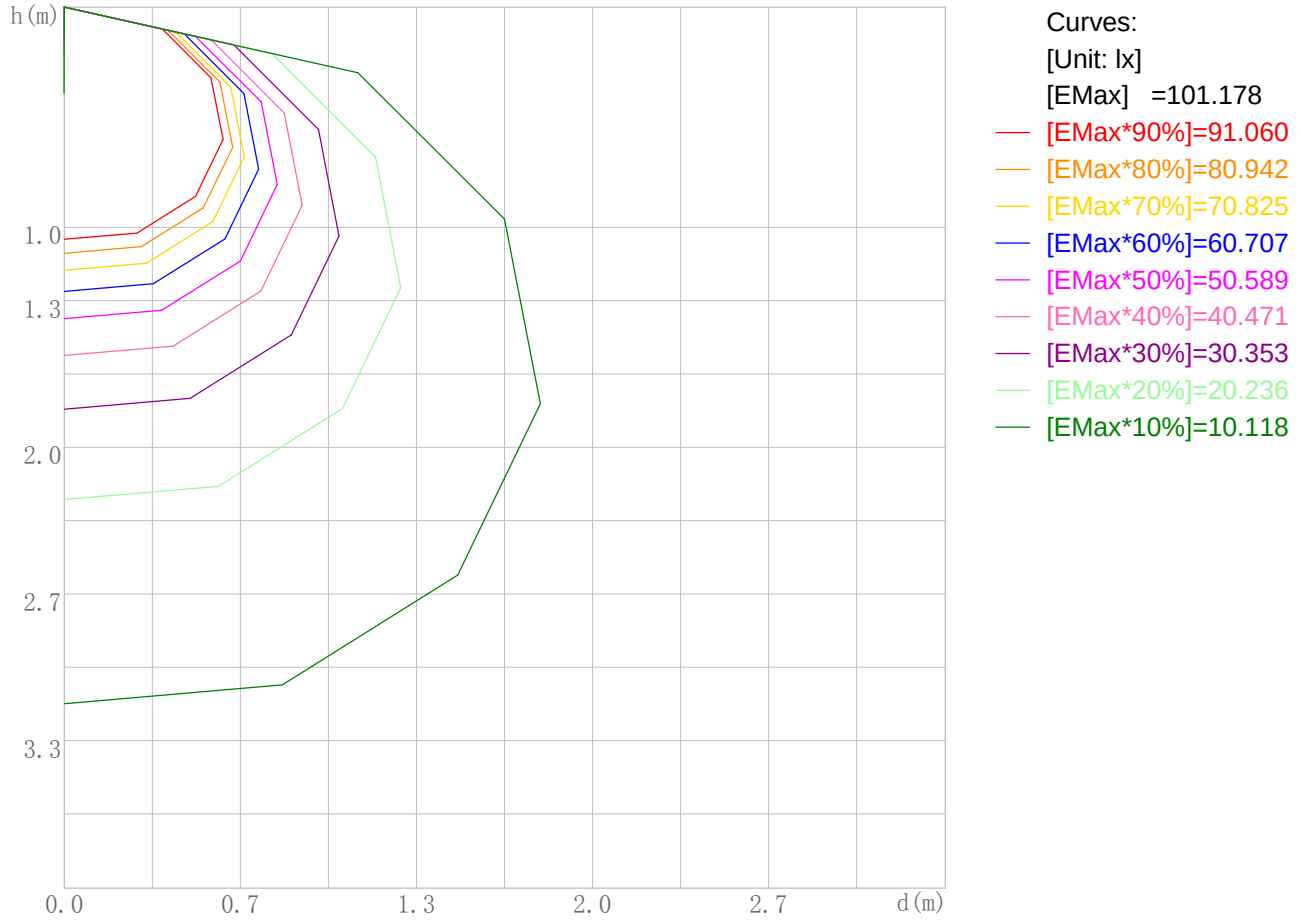
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355482.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Space ISO Illuminance Curve



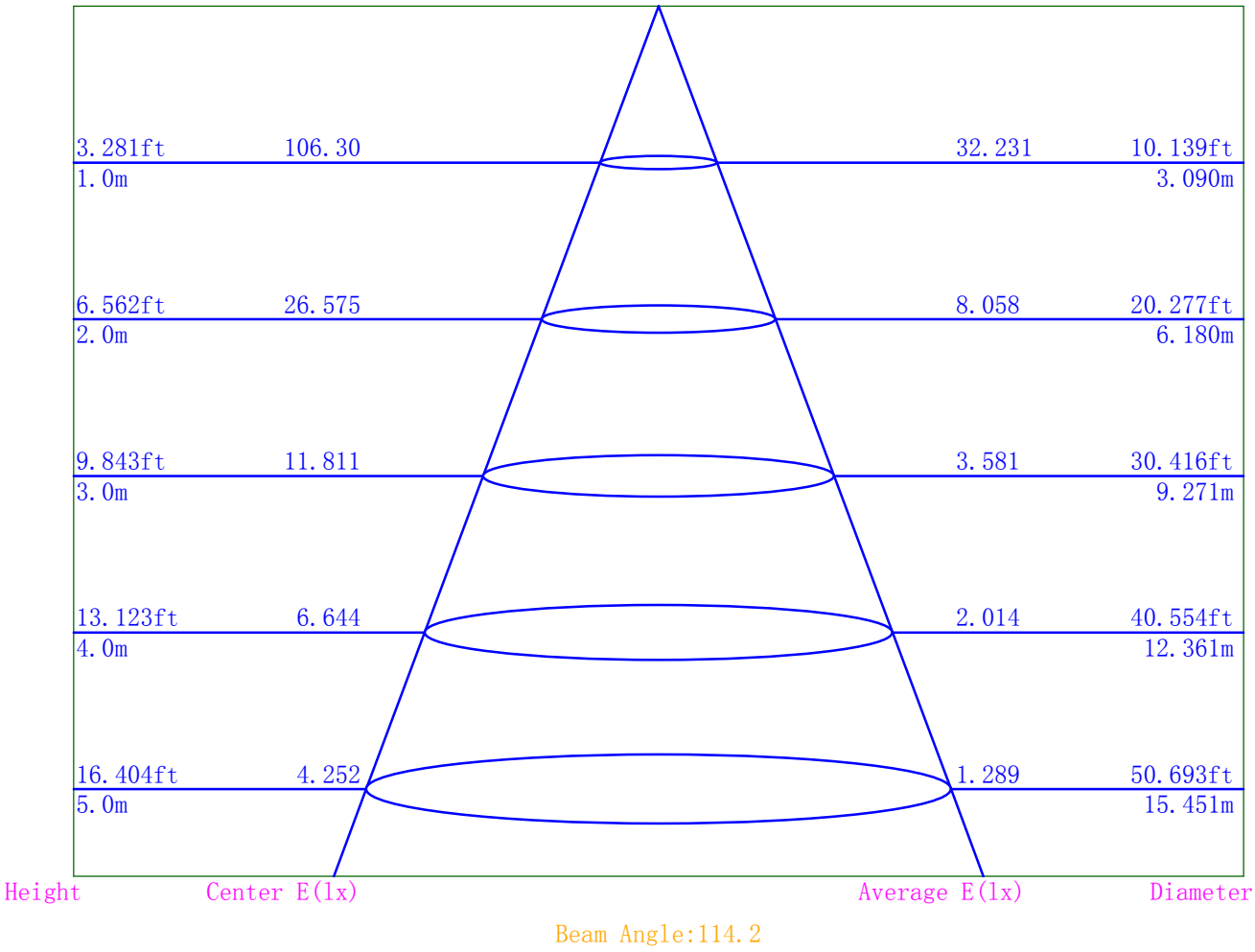
Space Plane Maximum Illuminance and @Angle:101.18lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:106.299cd,0eg

IES Flood Report
Photometric Filename: HCP-3355482.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Illuminance-Distance Curve



Beam Angle:114.2

IES Flood Report
Photometric Filename: HCP-3355482.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	1.56	1.75	1.79	1.70	1.69	1.62	1.62	1.73	1.76	1.89	1.94	2.45
B-75.0	1.56	5.13	11.97	19.94	25.94	31.22	32.33	32.34	27.96	22.59	14.73	7.46
B-60.0	1.56	8.84	22.03	35.47	45.13	52.72	54.68	54.19	47.95	39.11	26.17	12.29
B-45.0	1.56	12.70	31.70	49.63	62.60	72.46	75.39	74.33	66.22	54.24	37.01	17.29
B-30.0	1.56	15.86	39.51	60.92	76.83	88.46	92.51	90.64	80.95	66.05	45.50	21.29
B-15.0	1.56	17.80	43.94	67.19	85.25	97.96	102.68	100.27	89.69	72.69	50.19	23.70
B0.0	1.56	18.34	45.37	69.19	88.18	101.18	106.30	103.53	92.78	74.83	51.73	24.41
B15.0	1.56	17.69	44.09	67.09	85.66	97.91	103.20	100.24	90.12	72.57	50.34	23.53
B30.0	1.56	15.66	39.87	60.75	77.57	88.35	93.50	90.55	81.73	65.85	45.81	21.00
B45.0	1.56	12.60	32.22	49.33	63.58	72.18	76.70	74.11	67.18	53.81	37.34	16.95
B60.0	1.56	8.79	22.52	34.98	45.90	52.19	55.70	53.64	48.72	38.47	26.36	11.91
B75.0	1.56	4.79	12.42	19.46	26.46	30.32	32.90	31.34	28.35	21.70	14.68	6.90
B90.0	1.56	2.72	5.01	6.68	8.41	9.84	10.54	10.15	8.89	7.19	5.59	3.28

V/H	β 90.0
B-90.0	1.55
B-75.0	1.55
B-60.0	1.55
B-45.0	1.55
B-30.0	1.55
B-15.0	1.55
B0.0	1.55
B15.0	1.55
B30.0	1.55
B45.0	1.55
B60.0	1.55
B75.0	1.55
B90.0	1.55