IES Flood Report
Photometric Filename: HCP-3355484.IES

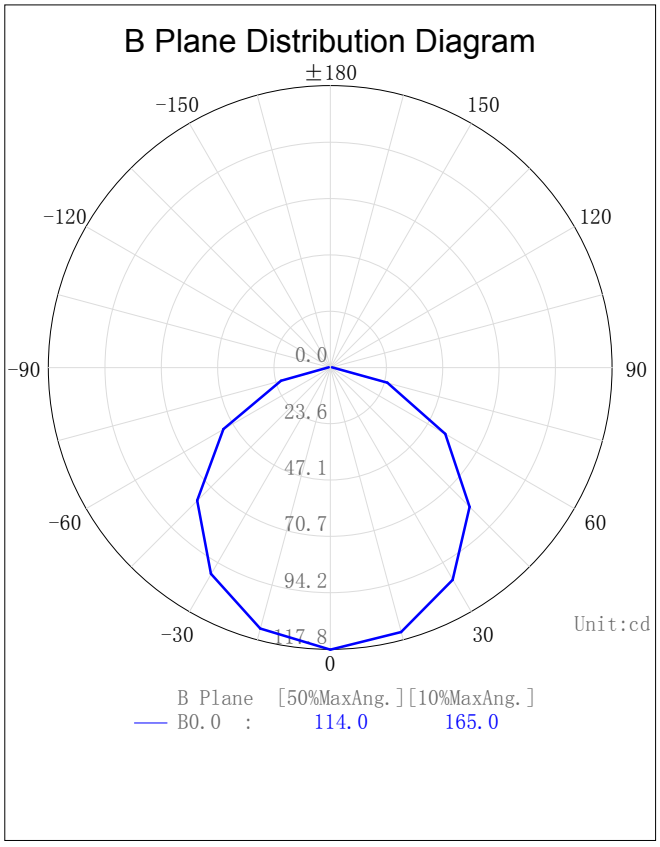
Flood Luminaire Photometric Data

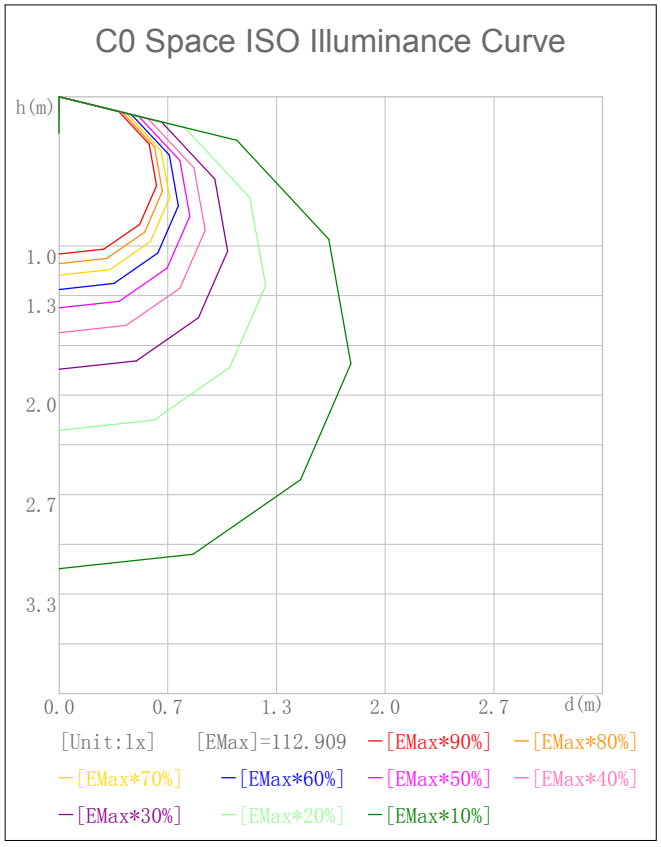
Description Information

Luminary Name: HCP-3355484		Lum. Catelog:	Test ID:
Lamp Name: 2110 4000K		Lamp Catelog:	Test Date: 2019/7/2
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):	368.130	Luminary Flux(lm):	361.807	Beam Lumens(lm):	266.66
Rated Power(W):		Luminary Efficiency:	98.28%	Beam Efficiency(%):	73.70
Rated Voltage(V):		Luminary EER(lm/W):	78.517	Field Lumens(lm):	355.02
Tested Power(W):	4.608	Max.Candela(cd):	117.766	Field Efficiency(%):	98.12
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	273.663lm
Tested Electrics(V,A,pf):24.0,0.192,0.000		Beam Angle(50%)(V,H):	121.4(°),114.0(°)	IRF(%):	105.667
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	173.7(°),165.0(°)		





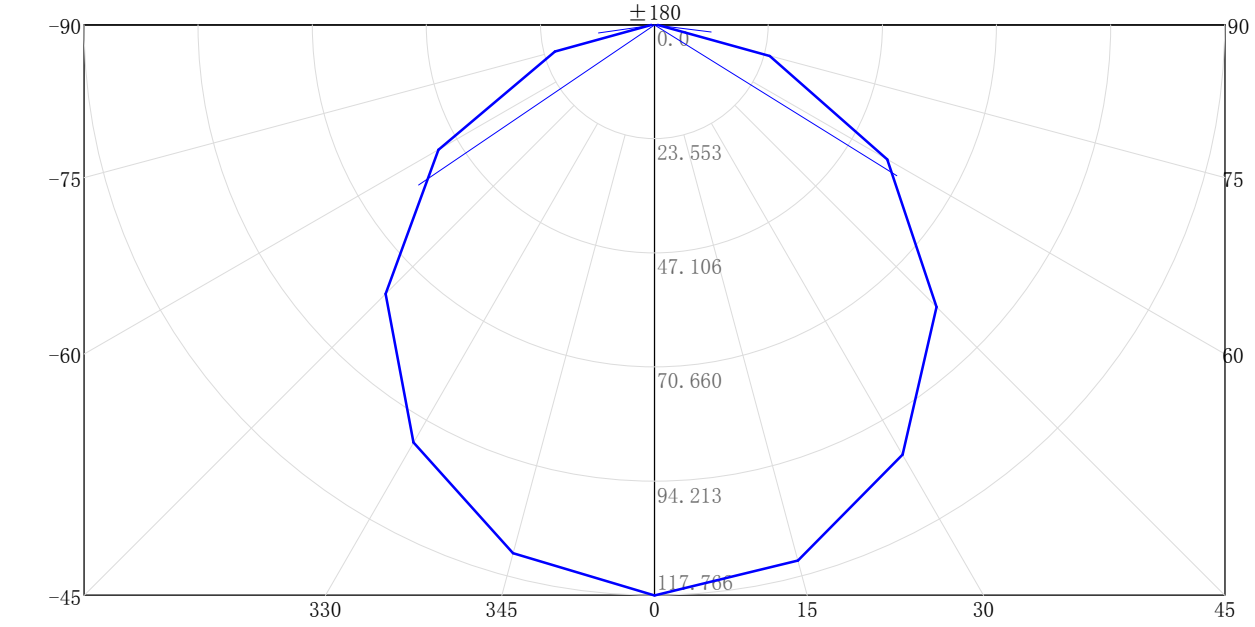
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

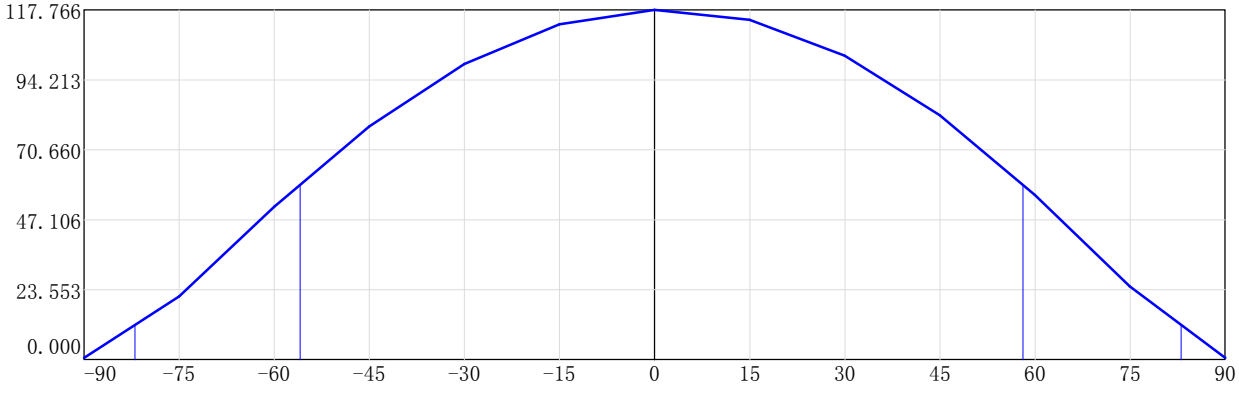
IES Flood Report
Photometric Filename: HCP-3355484.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

B Plane Distribution Diagram





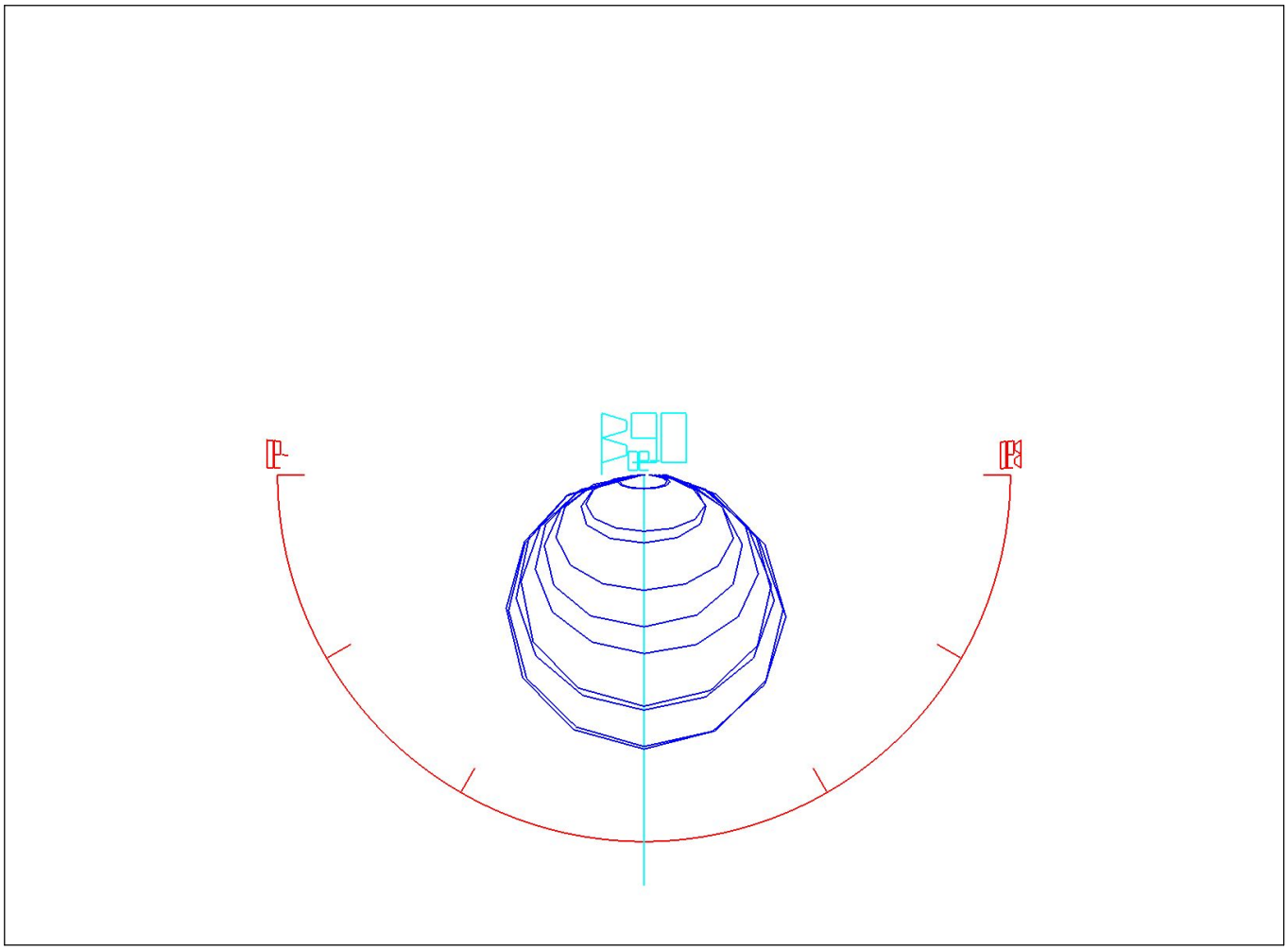
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
———	B0.0 :	114.0	165.0	

IES Flood Report
Photometric Filename: HCP-3355484.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

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-3355484.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	0.41	0.72	1.01	1.19	1.19	1.02	0.72	0.40	0.14	0.02	
B-75.0	0.04	0.35	1.05	1.91	2.70	3.16	3.17	2.73	1.95	1.08	0.37	0.04	
B-60.0	0.06	0.56	1.63	2.93	4.10	4.78	4.80	4.16	3.01	1.70	0.60	0.06	
B-45.0	0.08	0.74	2.15	3.82	5.30	6.17	6.21	5.38	3.93	2.25	0.81	0.09	
B-30.0	0.09	0.88	2.50	4.44	6.16	7.16	7.21	6.26	4.58	2.63	0.95	0.10	
B-15.0	0.10	0.94	2.67	4.75	6.59	7.68	7.72	6.72	4.92	2.82	1.03	0.11	
B0.0	0.10	0.93	2.66	4.76	6.62	7.72	7.77	6.76	4.94	2.83	1.03	0.11	
B15.0	0.09	0.86	2.48	4.46	6.22	7.27	7.32	6.37	4.65	2.66	0.96	0.10	
B30.0	0.07	0.73	2.12	3.85	5.39	6.32	6.37	5.54	4.04	2.30	0.83	0.09	
B45.0	0.05	0.54	1.59	2.93	4.11	4.84	4.89	4.25	3.10	1.74	0.62	0.06	
B60.0	0.03	0.33	0.97	1.81	2.56	3.03	3.07	2.66	1.93	1.07	0.38	0.04	
B75.0	0.02	0.15	0.44	0.81	1.14	1.37	1.39	1.20	0.87	0.48	0.17	0.02	
B90.0													
Total	0.73	7.15	20.65	37.17	51.91	60.68	61.12	53.04	38.64	21.96	7.90	0.85	

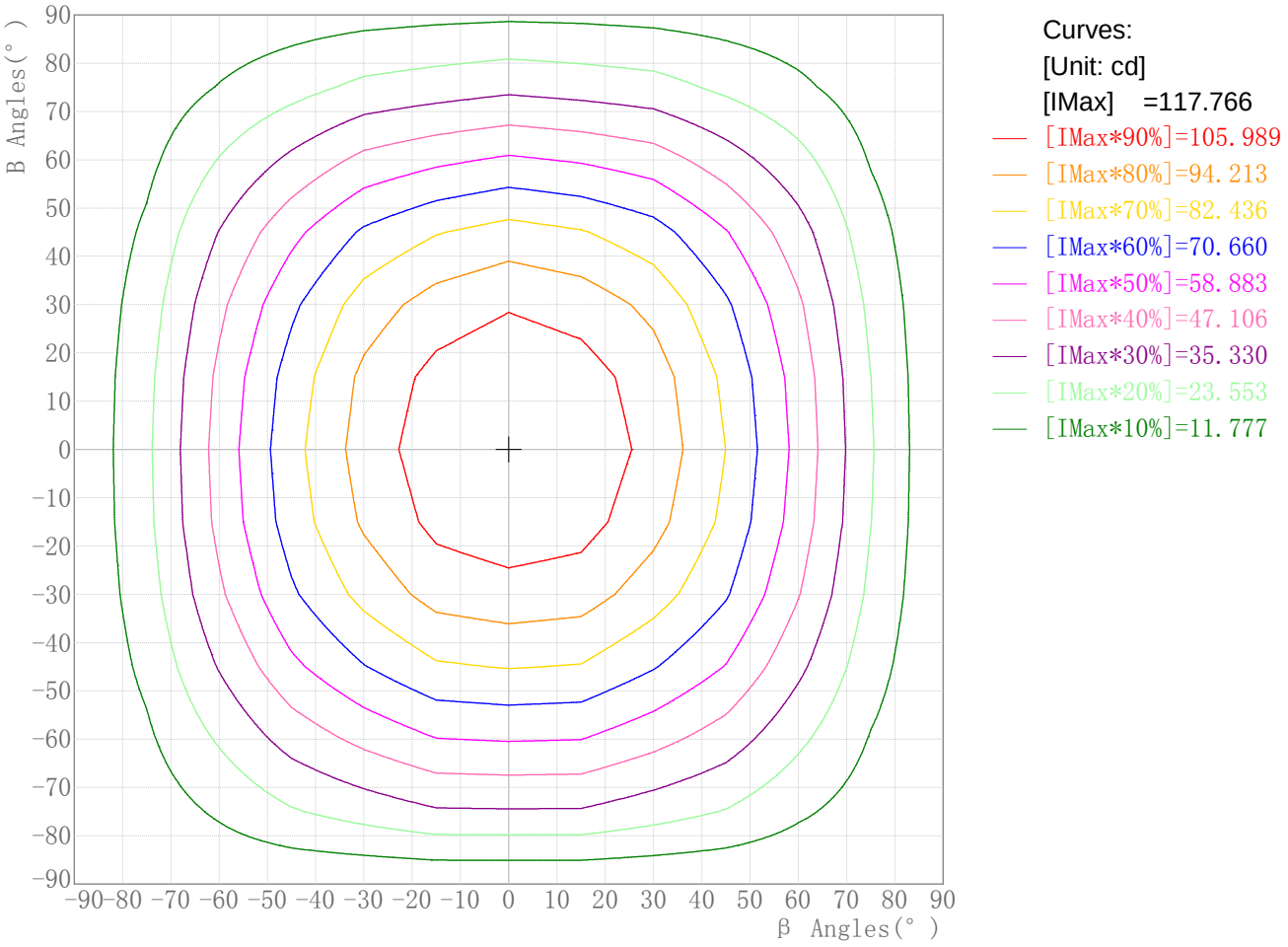
	β 90.0	Total
B-90.0		6.97
B-75.0		18.57
B-60.0		28.41
B-45.0		36.91
B-30.0		42.95
B-15.0		46.04
B0.0		46.21
B15.0		43.44
B30.0		37.65
B45.0		28.72
B60.0		17.89
B75.0		8.05
B90.0		
Total		361.81

IES Flood Report
Photometric Filename: HCP-3355484.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

ISO Lighting Intensity Curve



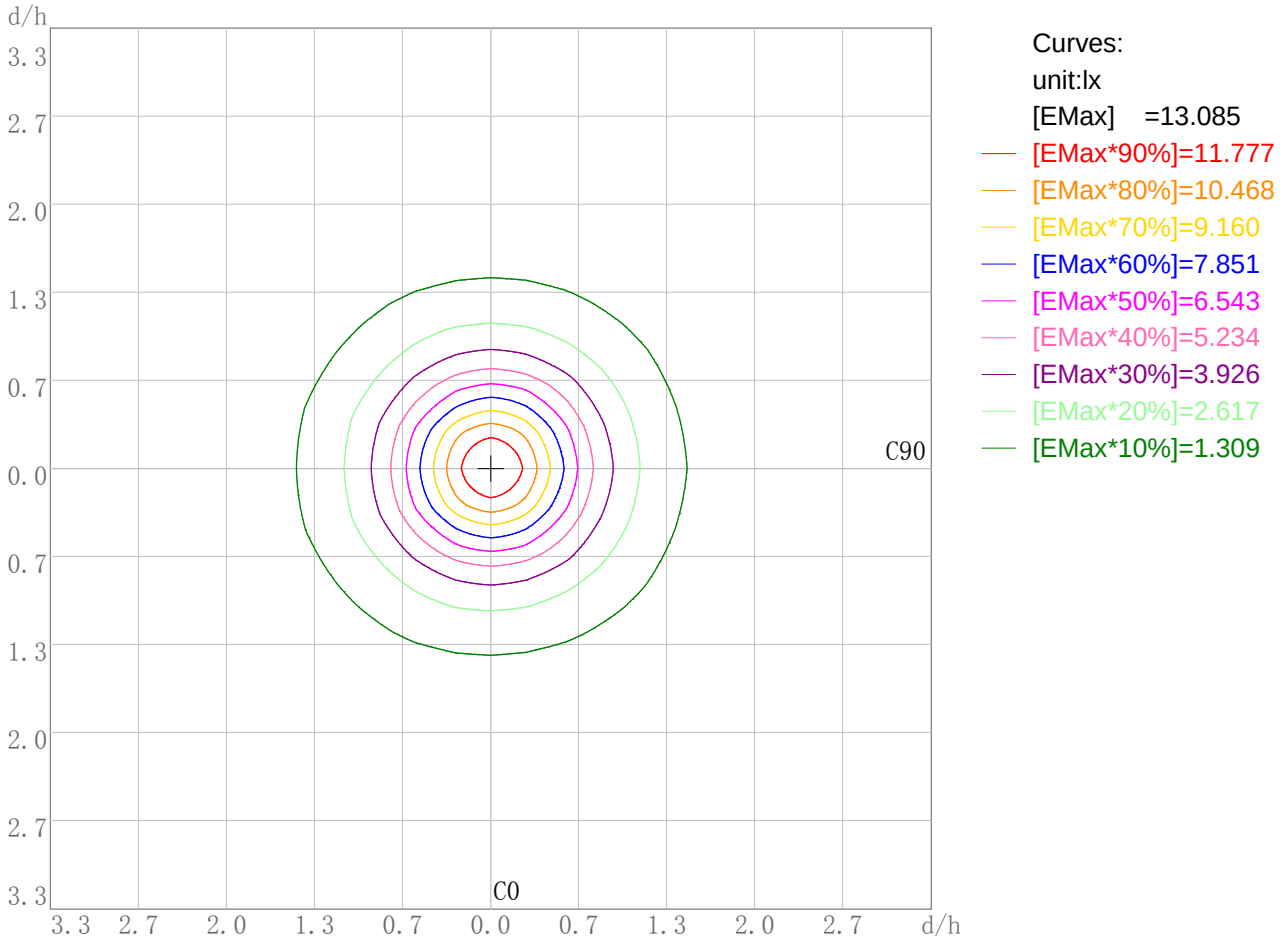
Maximum Light Intensity(cd): 117.77
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355484.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

Plane ISO-Illuminance Curve



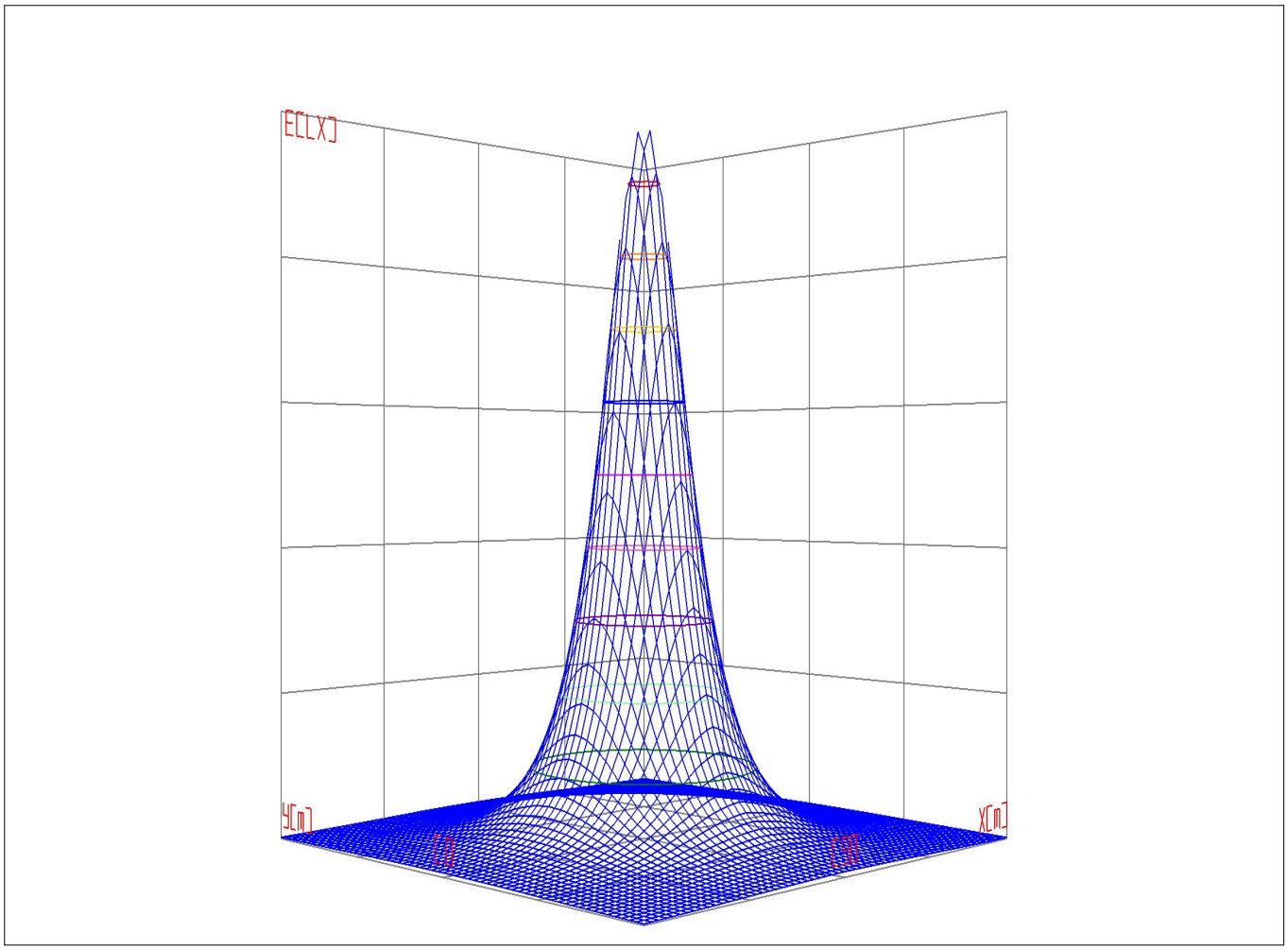
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 13.09
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355484.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

3D Plane Illuminance Modal



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

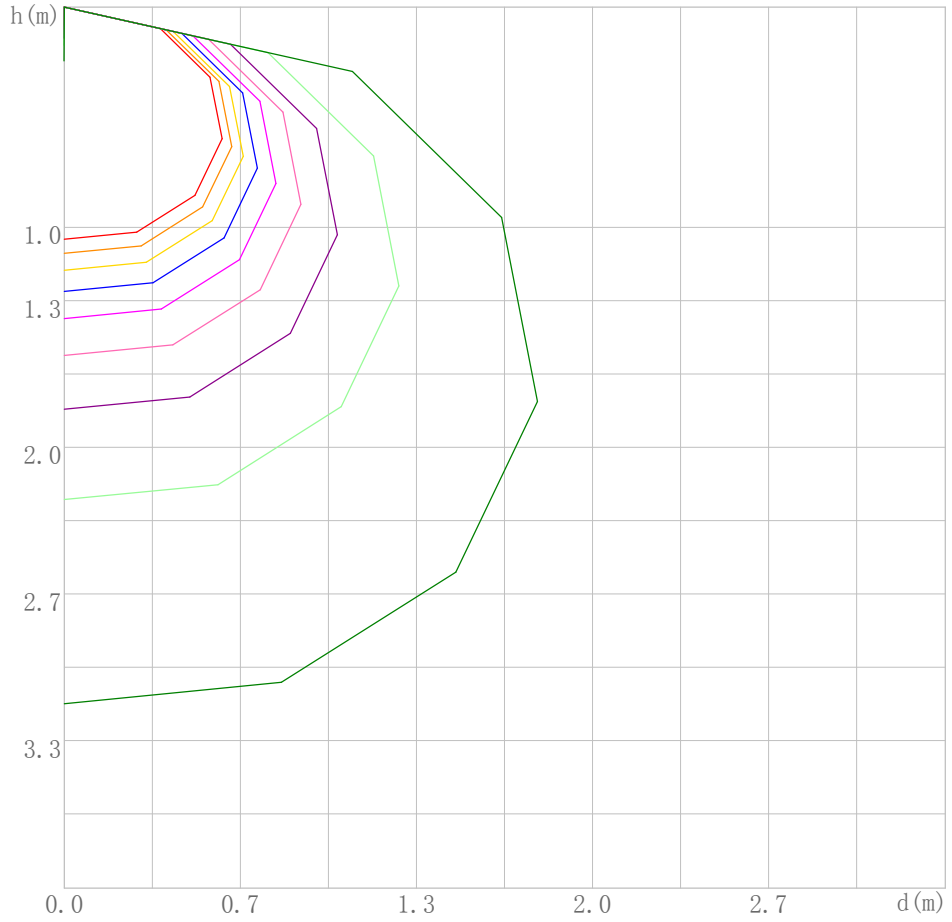
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355484.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =112.909
[EMax*90%]=101.618
[EMax*80%]=90.327
[EMax*70%]=79.036
[EMax*60%]=67.745
[EMax*50%]=56.454
[EMax*40%]=45.164
[EMax*30%]=33.873
[EMax*20%]=22.582
[EMax*10%]=11.291

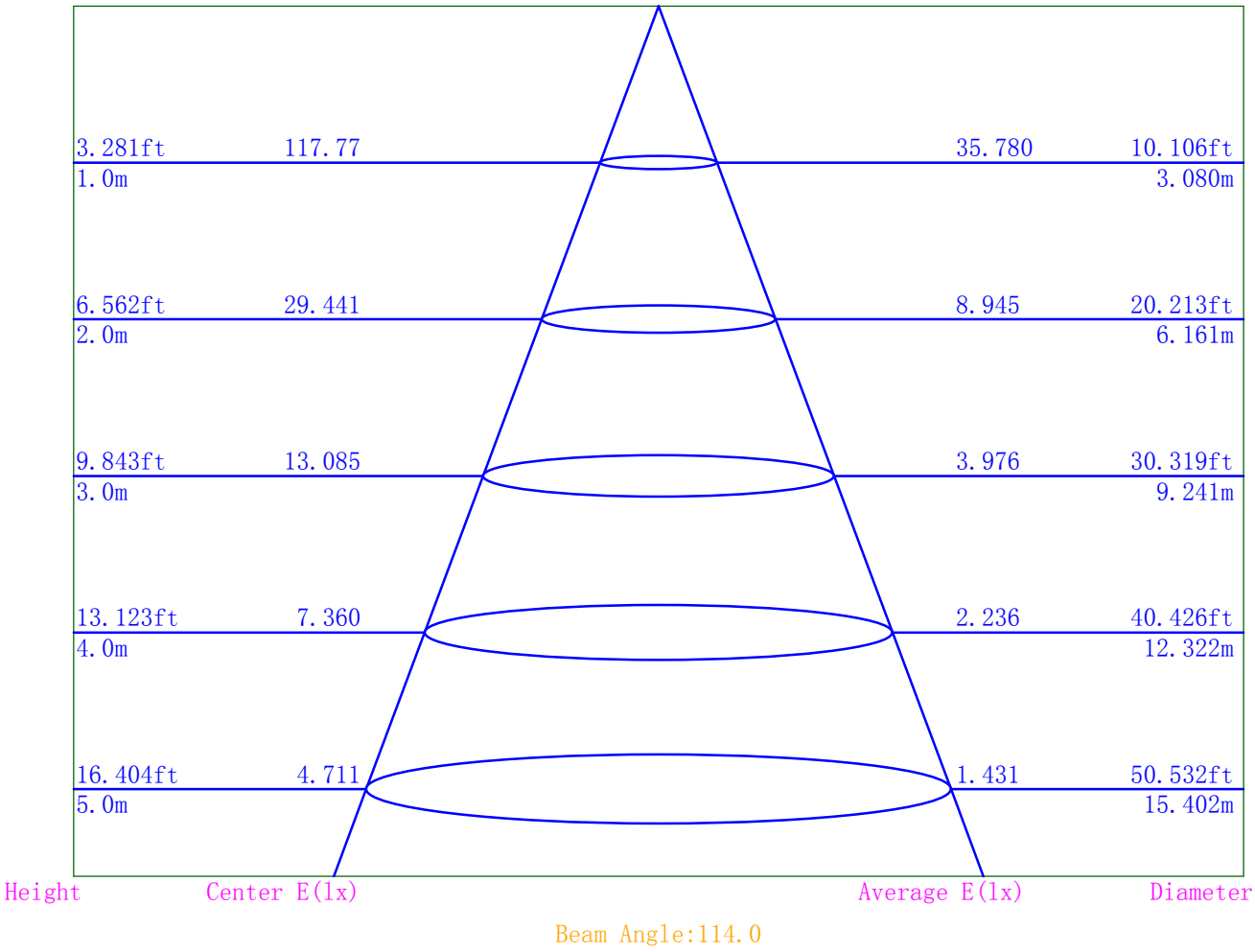
Space Plane Maximum Illuminance and @Angle:112.91lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:117.766cd,0eg

IES Flood Report
Photometric Filename: HCP-3355484.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

Illuminance-Distance Curve



Beam Angle:114.0

IES Flood Report
Photometric Filename: HCP-3355484.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	0.66	0.94	1.86	1.18	0.78	0.81	0.78	0.79	0.81	0.79	0.83	1.10
B-75.0	0.66	5.12	13.44	22.46	28.51	34.09	34.37	34.27	28.74	22.90	13.79	6.03
B-60.0	0.66	9.85	24.86	39.94	50.16	58.58	59.68	59.05	51.06	41.29	26.02	11.09
B-45.0	0.66	14.45	36.10	56.25	70.15	80.96	83.06	81.74	71.46	58.40	38.03	16.51
B-30.0	0.66	18.24	45.07	68.91	86.16	98.61	101.84	99.76	87.89	71.83	47.76	20.98
B-15.0	0.66	20.61	50.17	76.29	95.96	109.21	113.22	110.53	98.32	79.69	53.49	23.79
B0.0	0.66	21.31	51.49	78.52	99.51	112.91	117.77	114.45	102.37	82.37	55.50	24.64
B15.0	0.66	20.33	49.60	75.86	96.91	109.74	115.09	111.34	99.96	79.94	53.99	23.64
B30.0	0.66	17.67	44.38	68.24	87.93	99.40	104.88	101.08	91.05	72.43	48.94	20.85
B45.0	0.66	13.68	35.66	55.59	72.44	81.73	87.05	83.30	75.36	59.52	40.06	16.45
B60.0	0.66	8.93	24.02	37.73	50.17	56.29	60.62	57.66	52.68	40.86	27.28	10.97
B75.0	0.66	4.51	12.30	19.22	26.35	29.46	32.46	30.44	27.99	21.08	13.97	5.76
B90.0	0.66	2.14	4.27	6.15	7.70	8.98	9.69	9.29	8.20	6.65	4.71	2.22

V/H	β 90.0
B-90.0	0.67
B-75.0	0.67
B-60.0	0.67
B-45.0	0.67
B-30.0	0.67
B-15.0	0.67
B0.0	0.67
B15.0	0.67
B30.0	0.67
B45.0	0.67
B60.0	0.67
B75.0	0.67
B90.0	0.67