IES Flood Report
Photometric Filename: HCP-3355485.IES

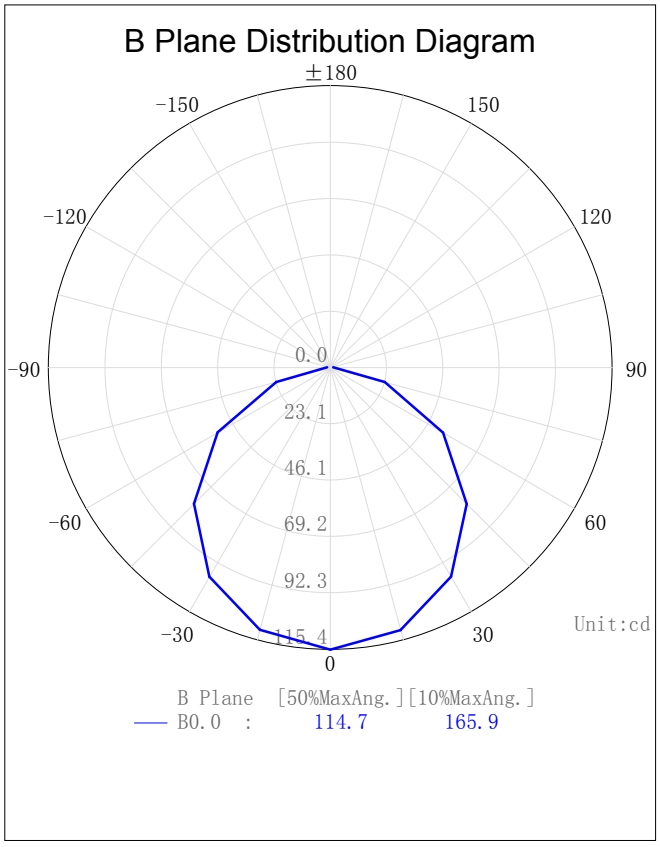
Flood Luminaire Photometric Data

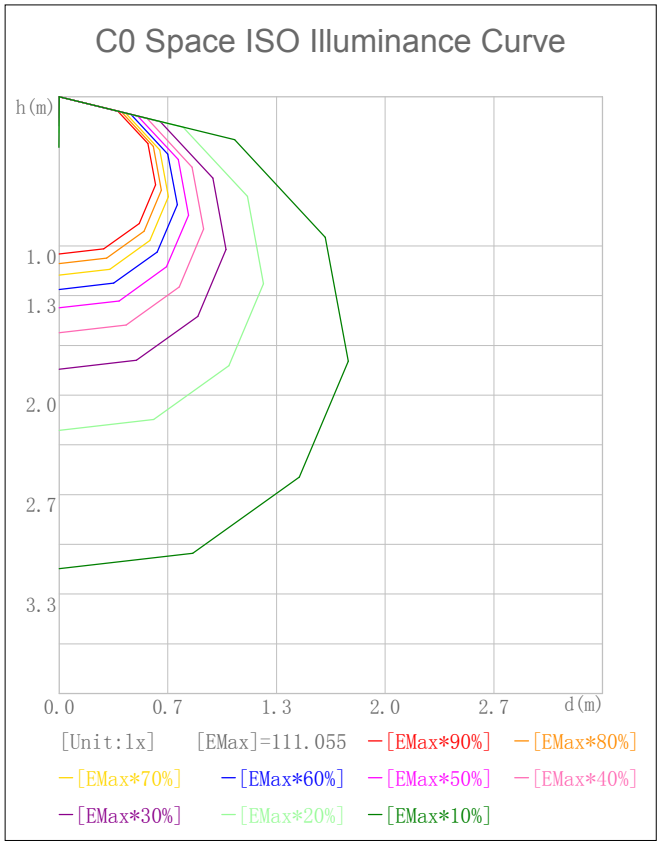
Description Information

Luminary Name: HCP-3355485		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000k		Lamp Catelog:	Test Date: 2019/04/29
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):	362.900	Luminary Flux(lm):	362.107	Beam Lumens(lm):	267.01
Rated Power(W):		Luminary Efficiency:	99.78%	Beam Efficiency(%):	73.74
Rated Voltage(V):		Luminary EER(lm/W):	80.576	Field Lumens(lm):	356.61
Tested Power(W):	4.494	Max.Candela(cd):	115.351	Field Efficiency(%):	98.48
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	269.540lm
Tested Electrics(V,A,pf):24.0,0.192,0.000		Beam Angle(50%)(V,H):	124.6(°),114.7(°)	IRF(%):	105.433
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	177.7(°),165.9(°)		





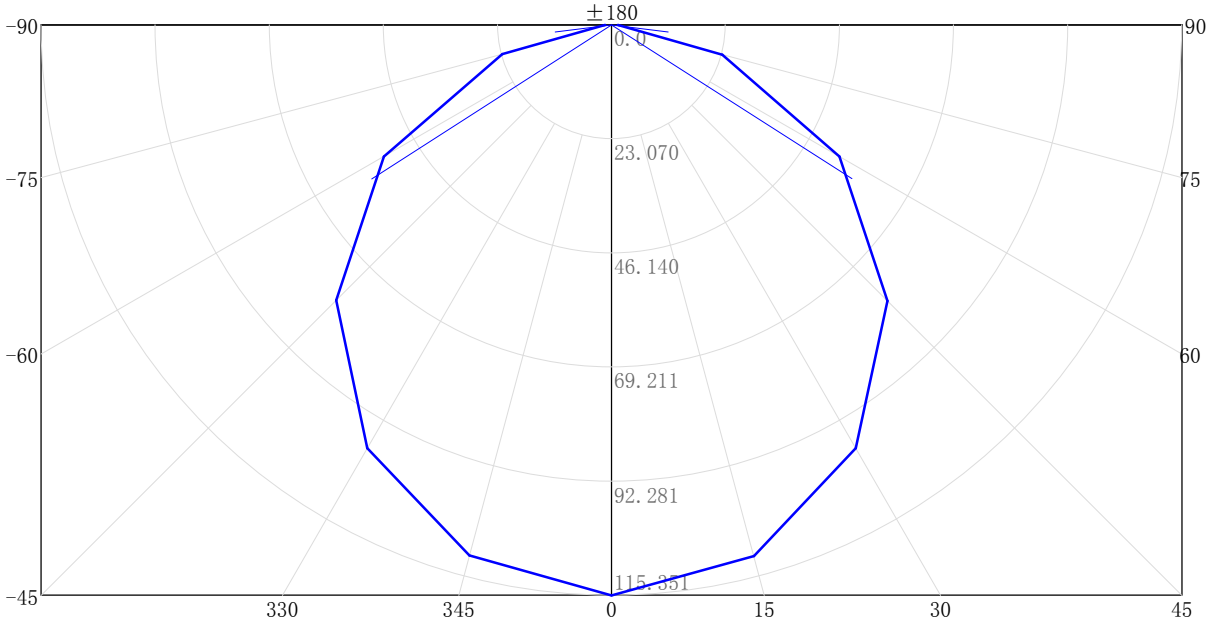
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

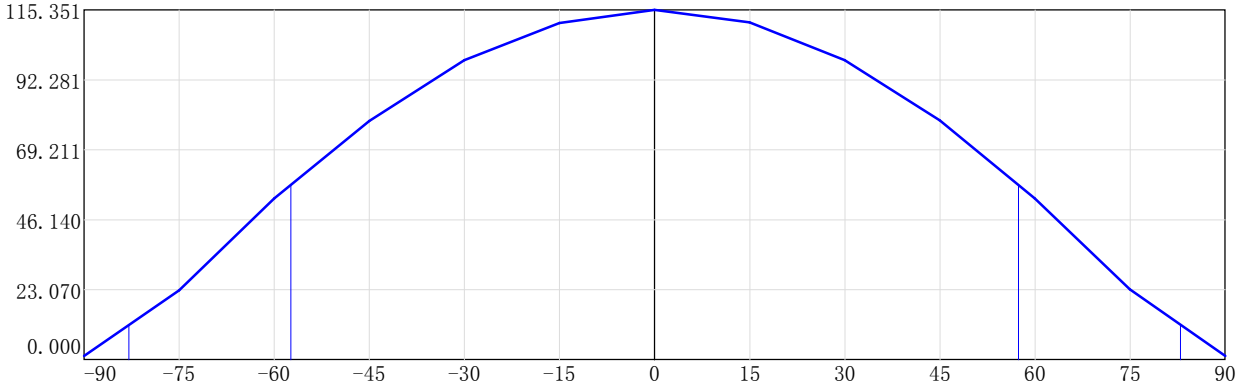
IES Flood Report
Photometric Filename: HCP-3355485.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

B Plane Distribution Diagram





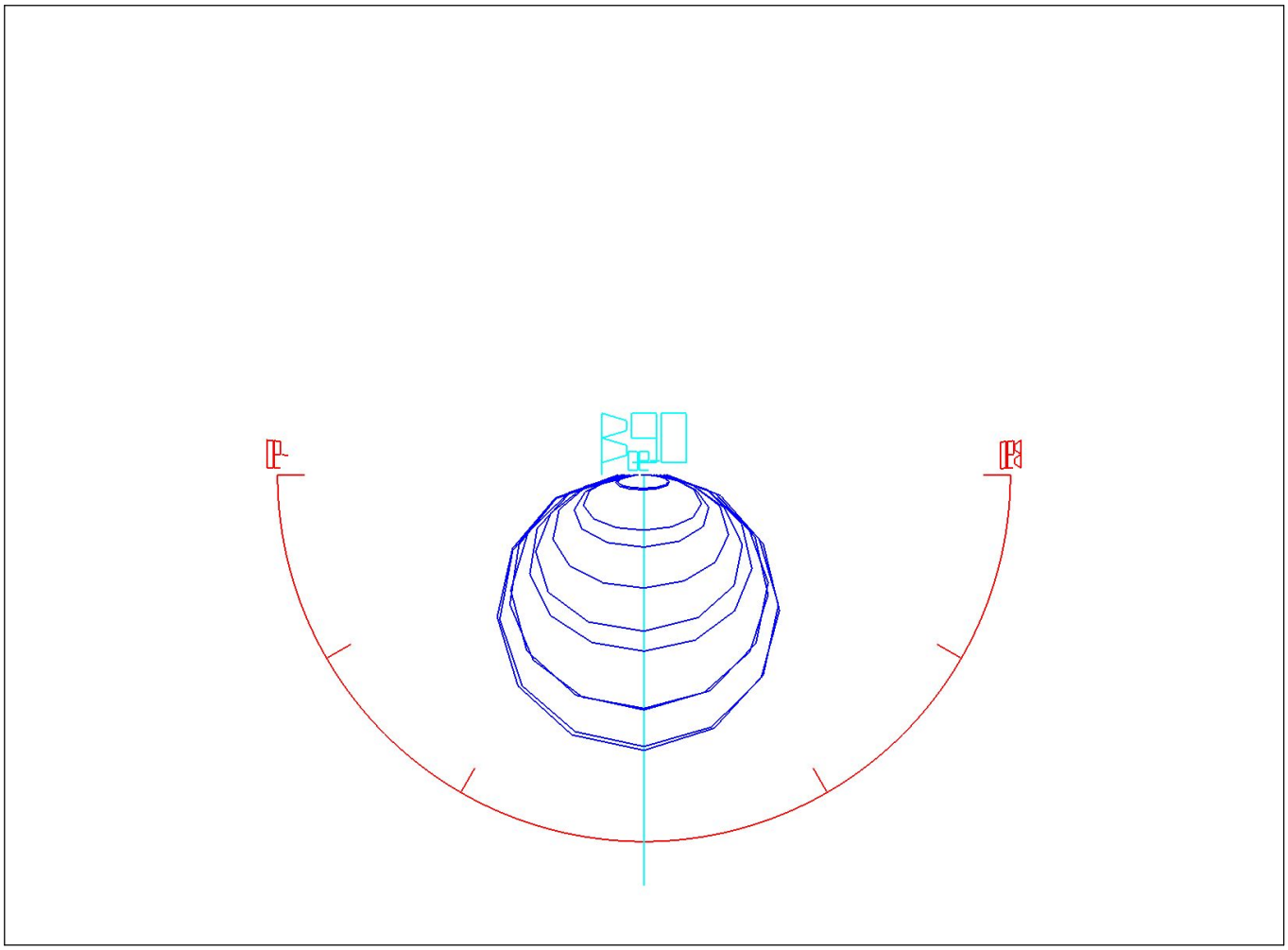
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
———	B0.0 :	114.7	165.9	

IES Flood Report
Photometric Filename: HCP-3355485.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

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-3355485.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	0.03	0.18	0.49	0.88	1.29	1.59	1.66	1.45	1.02	0.57	0.21	0.03	
B-75.0	0.05	0.40	1.17	2.12	2.99	3.48	3.48	2.98	2.11	1.17	0.40	0.05	
B-60.0	0.07	0.62	1.77	3.14	4.36	5.05	5.05	4.35	3.13	1.76	0.62	0.07	
B-45.0	0.09	0.80	2.26	3.97	5.48	6.35	6.34	5.47	3.97	2.25	0.80	0.09	
B-30.0	0.10	0.93	2.58	4.53	6.23	7.21	7.21	6.22	4.52	2.58	0.93	0.10	
B-15.0	0.11	0.98	2.72	4.77	6.56	7.59	7.60	6.56	4.77	2.72	0.99	0.11	
B0.0	0.11	0.97	2.69	4.72	6.49	7.52	7.52	6.50	4.72	2.70	0.98	0.11	
B15.0	0.10	0.90	2.49	4.38	6.02	6.98	6.99	6.04	4.39	2.50	0.91	0.10	
B30.0	0.08	0.75	2.12	3.75	5.16	5.99	6.00	5.18	3.76	2.14	0.77	0.08	
B45.0	0.06	0.56	1.60	2.86	3.97	4.62	4.63	3.99	2.88	1.62	0.57	0.06	
B60.0	0.04	0.34	1.00	1.83	2.58	3.03	3.04	2.60	1.86	1.02	0.36	0.04	
B75.0	0.02	0.16	0.47	0.86	1.21	1.43	1.42	1.18	0.81	0.42	0.15	0.02	
B90.0													
Total	0.84	7.60	21.35	37.81	52.34	60.84	60.93	52.50	37.94	21.44	7.67	0.85	

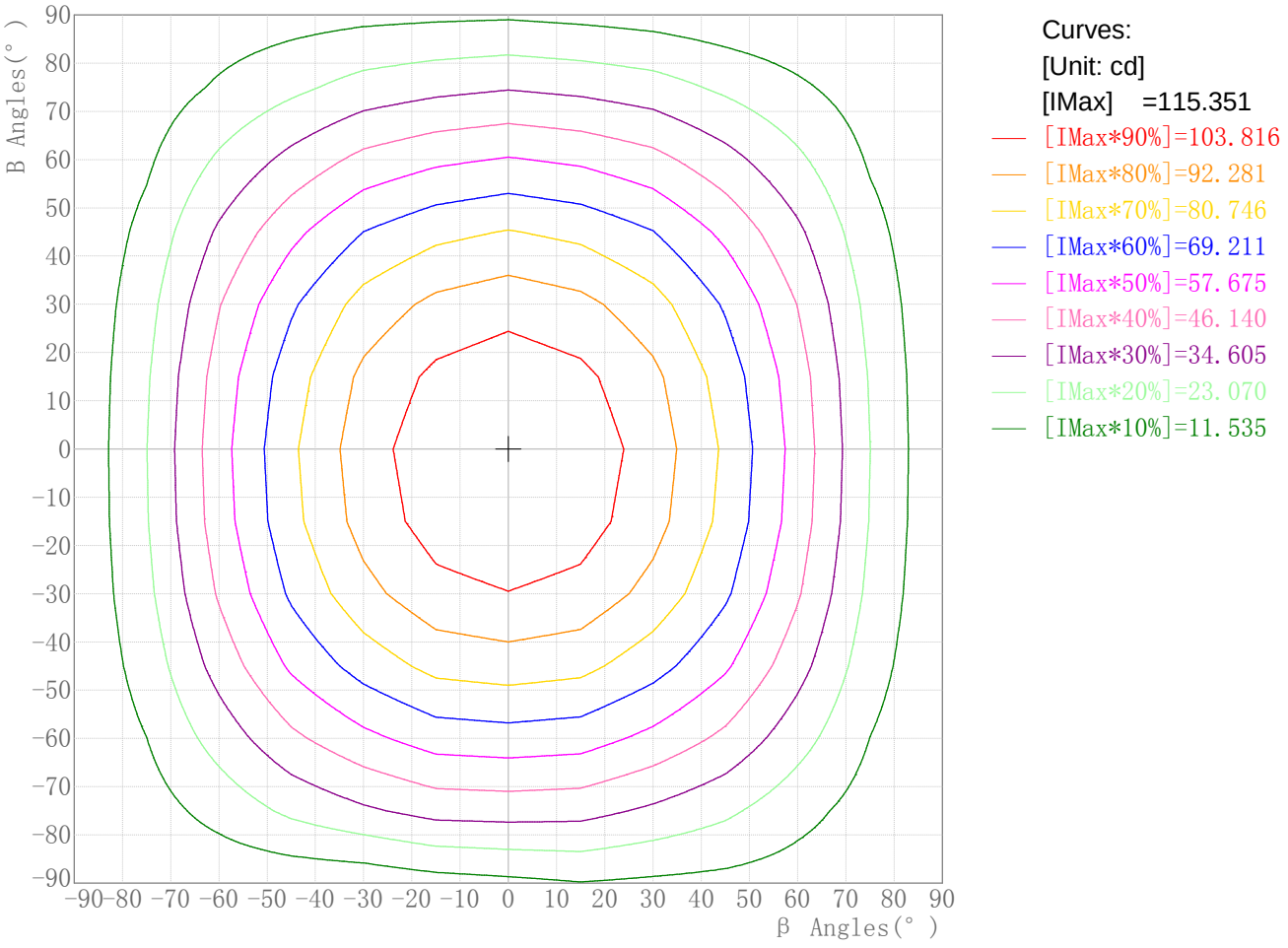
	β 90.0	Total
B-90.0		9.38
B-75.0		20.39
B-60.0		29.98
B-45.0		37.87
B-30.0		43.13
B-15.0		45.47
B0.0		45.02
B15.0		41.79
B30.0		35.78
B45.0		27.42
B60.0		17.74
B75.0		8.14
B90.0		
Total		362.11

IES Flood Report
Photometric Filename: HCP-3355485.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

ISO Lighting Intensity Curve



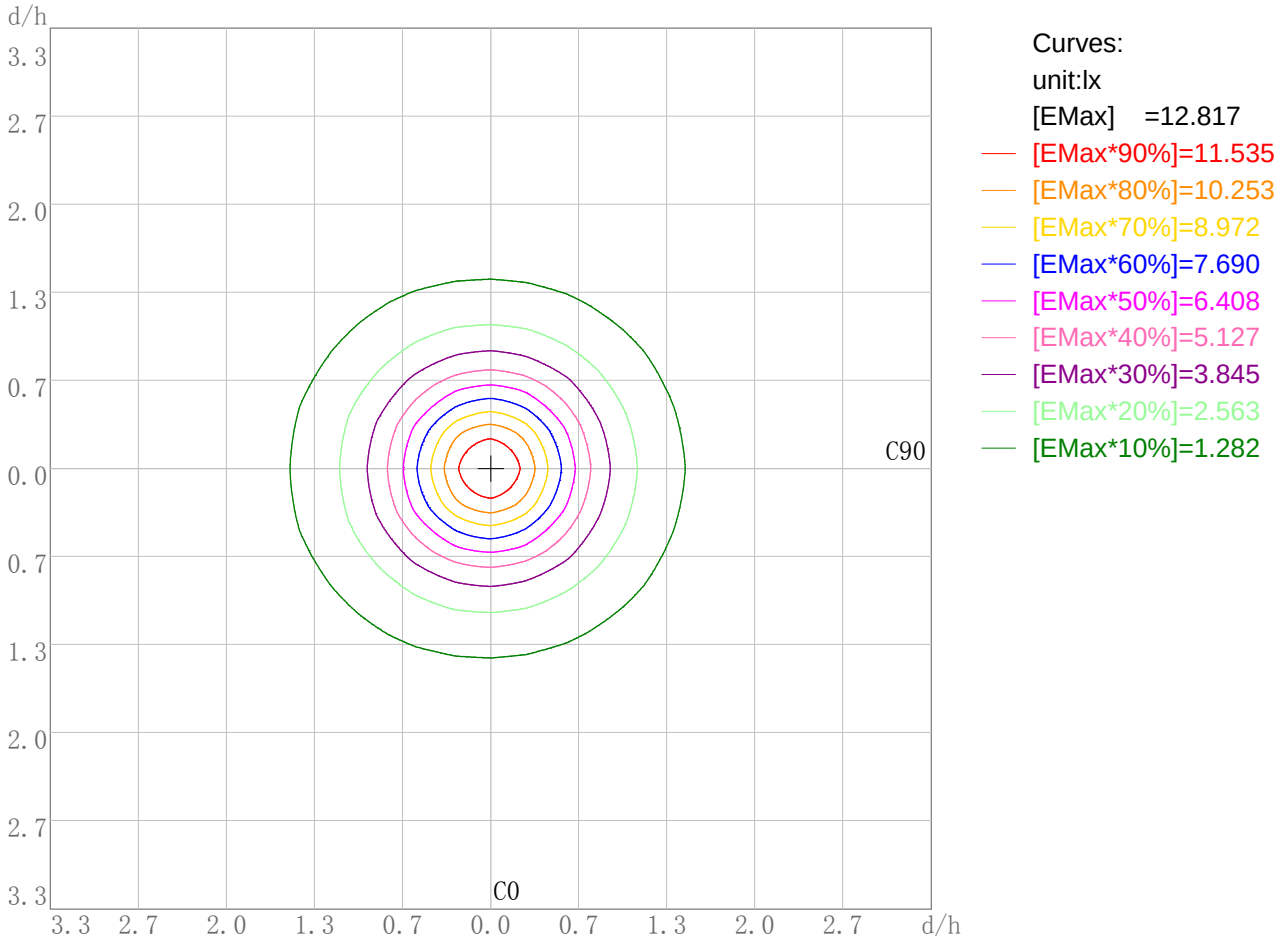
Maximum Light Intensity(cd): 115.35
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355485.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

Plane ISO-Illuminance Curve



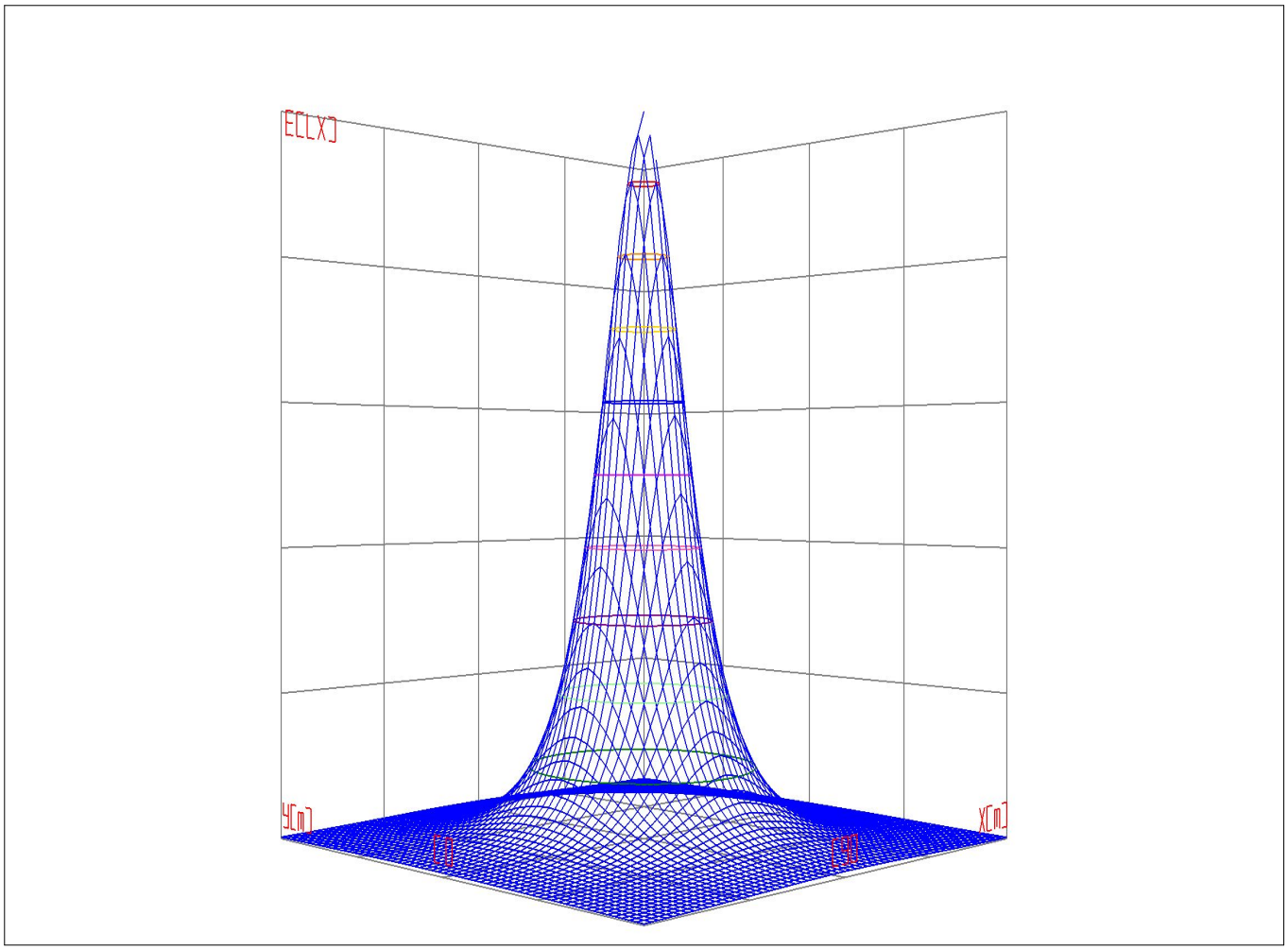
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 12.82
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355485.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

3D Plane Illuminance Modal



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

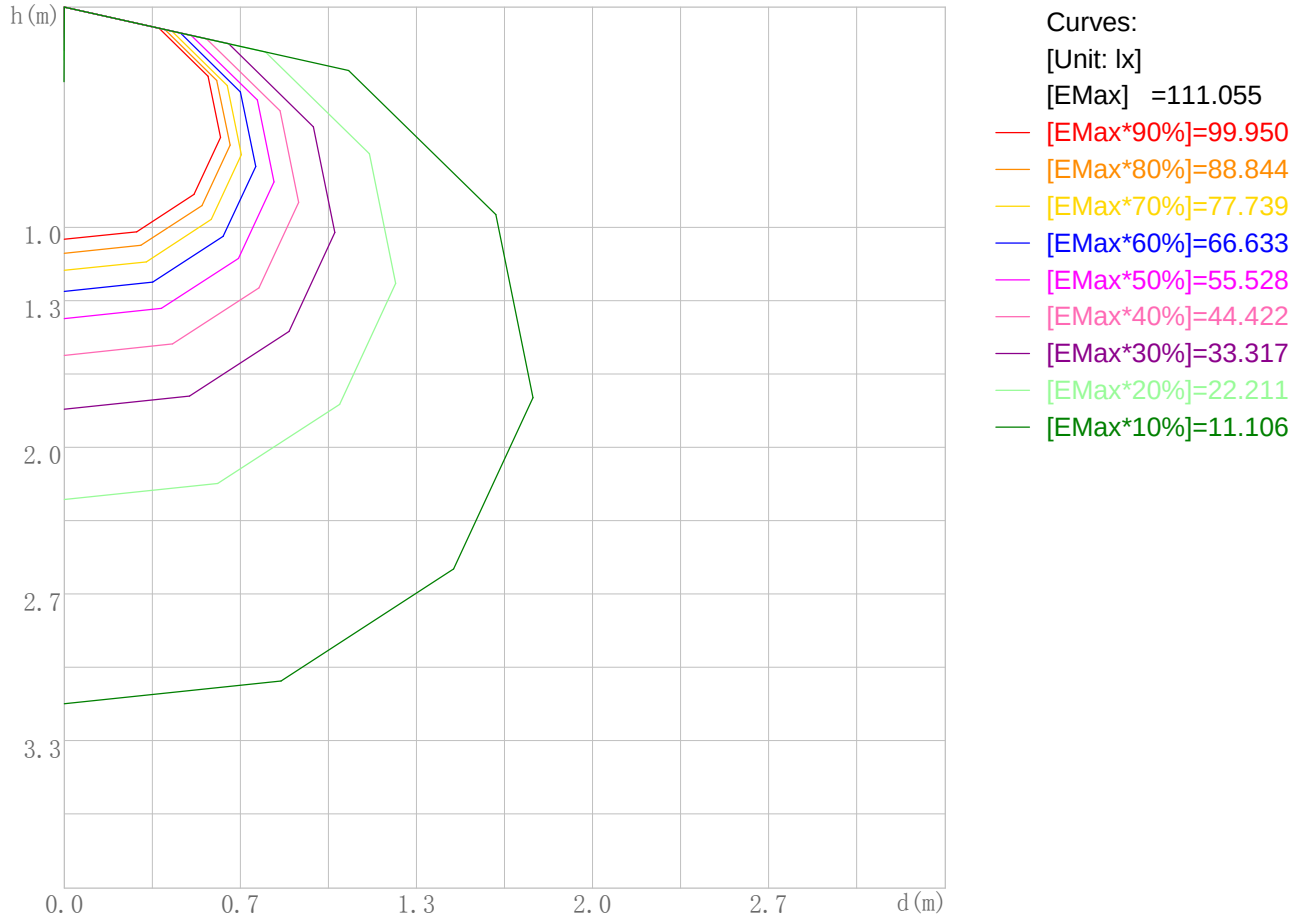
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355485.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

Space ISO Illuminance Curve



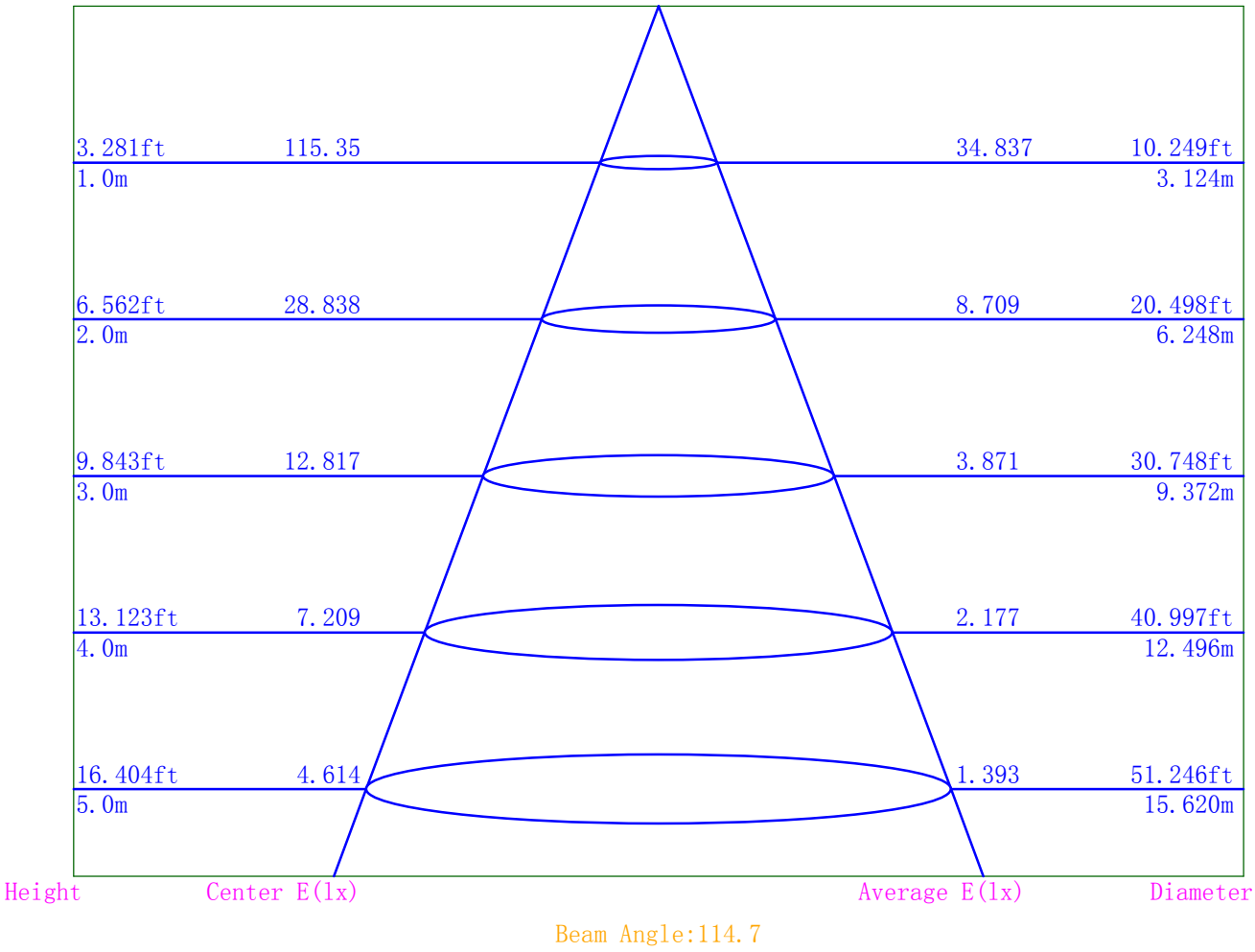
Space Plane Maximum Illuminance and @Angle:111.06lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:115.351cd,0eg

IES Flood Report
Photometric Filename: HCP-3355485.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/04/29

Illuminance-Distance Curve



Beam Angle:114.7

IES Flood Report
Photometric Filename: HCP-3355485.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	1.29	2.34	2.90	3.10	3.36	6.83	8.82	11.11	9.41	8.08	5.93	3.49
B-75.0	1.29	6.45	15.53	25.51	32.79	38.69	39.43	38.58	32.56	25.42	15.47	6.63
B-60.0	1.29	11.45	27.83	43.66	54.74	62.95	64.45	62.84	54.50	43.48	27.64	11.42
B-45.0	1.29	16.31	39.05	59.49	74.00	84.27	86.68	84.18	73.77	59.35	38.88	16.32
B-30.0	1.29	20.11	47.43	71.11	88.59	100.19	103.48	100.17	88.38	71.04	47.35	20.22
B-15.0	1.29	22.33	52.05	77.41	96.75	109.01	112.91	109.08	96.60	77.37	52.02	22.55
B0.0	1.29	22.88	53.15	78.76	98.81	111.06	115.35	111.20	98.80	78.89	53.22	23.18
B15.0	1.29	21.71	51.04	75.53	94.94	106.45	110.89	106.61	95.02	75.75	51.26	22.11
B30.0	1.29	18.88	45.51	67.51	85.10	95.19	99.57	95.46	85.23	67.83	45.84	19.41
B45.0	1.29	14.71	36.35	54.48	69.32	77.48	81.38	77.68	69.52	54.86	36.75	15.22
B60.0	1.29	9.77	24.77	37.97	49.35	55.37	58.53	55.63	49.68	38.66	25.21	10.27
B75.0	1.29	5.12	12.95	20.31	27.53	31.29	33.66	31.51	27.96	20.80	13.37	5.70
B90.0	1.29	2.02	5.00	6.83	8.44	9.38	9.94	8.51	6.66	4.06	2.35	1.30

V/H	β 90.0
B-90.0	1.28
B-75.0	1.28
B-60.0	1.28
B-45.0	1.28
B-30.0	1.28
B-15.0	1.28
B0.0	1.28
B15.0	1.28
B30.0	1.28
B45.0	1.28
B60.0	1.28
B75.0	1.28
B90.0	1.28