IES Flood Report
Photometric Filename: HCP3355144.IES

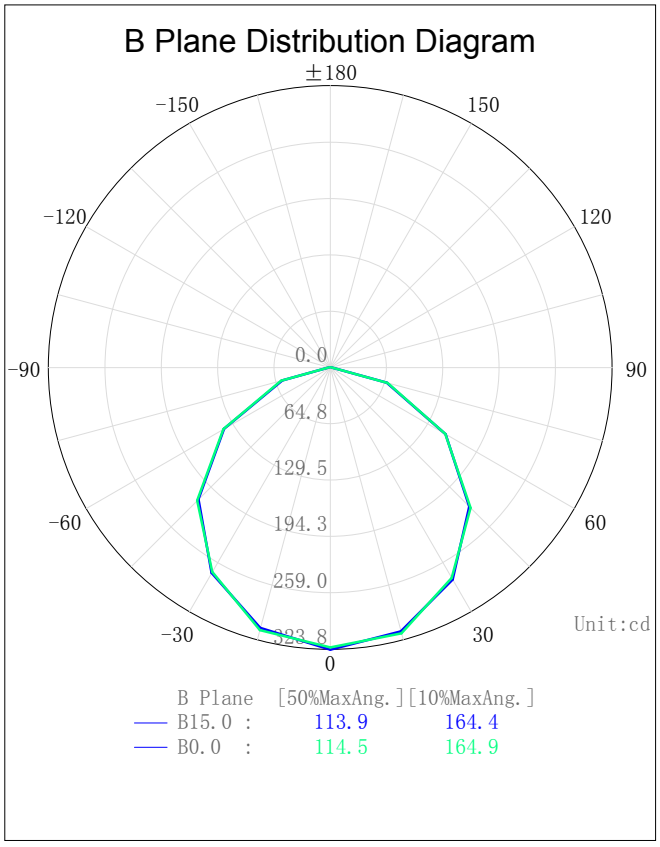
Flood Luminaire Photometric Data

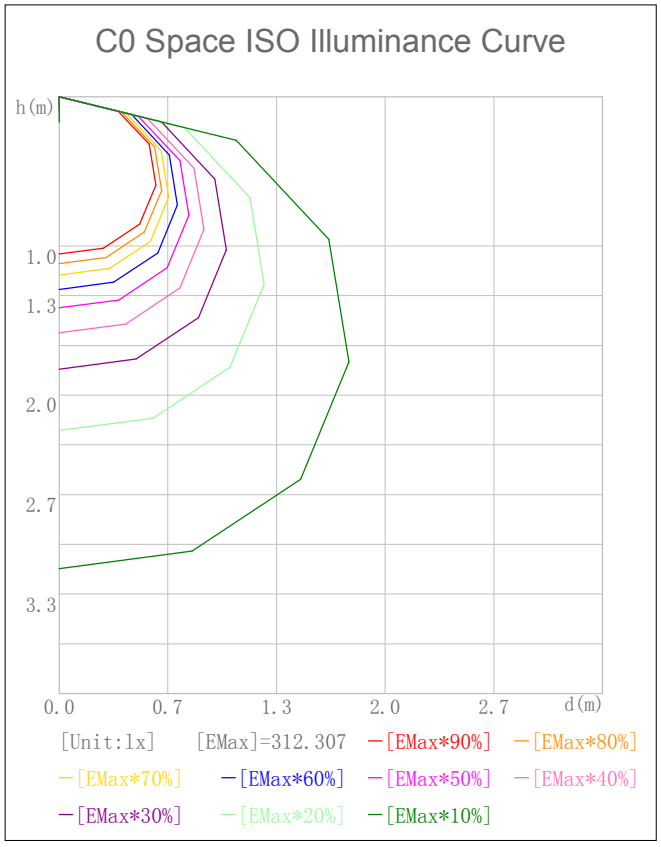
Description Information

Luminary Name: HCP-3355144		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):	1054.800	Luminary Flux(lm):	978.631	Beam Lumens(lm):	715.94
Rated Power(W):		Luminary Efficiency:	92.78%	Beam Efficiency(%):	73.16
Rated Voltage(V):		Luminary EER(lm/W):	67.960	Field Lumens(lm):	961.58
Tested Power(W):	14.400	Max.Candela(cd):	323.787	Field Efficiency(%):	98.26
Lamps' Inside:	1	Max Cand@Ang.(°):	B=15.0 β=0.0	ErP Φuse(120°):	743.425lm
Tested Electrics(V,A,pf):24.0,0.60,0.000		Beam Angle(50%)(V,H):	119.2(°),113.9(°)	IRF(%):	107.478
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	173.3(°),164.4(°)		





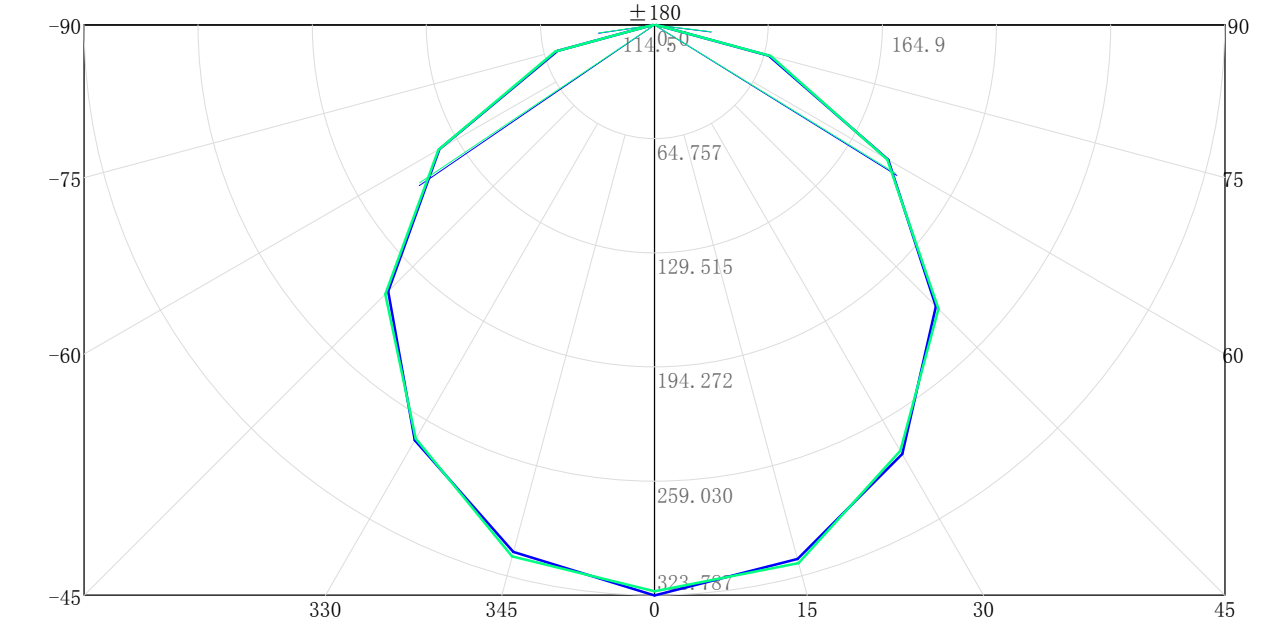
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

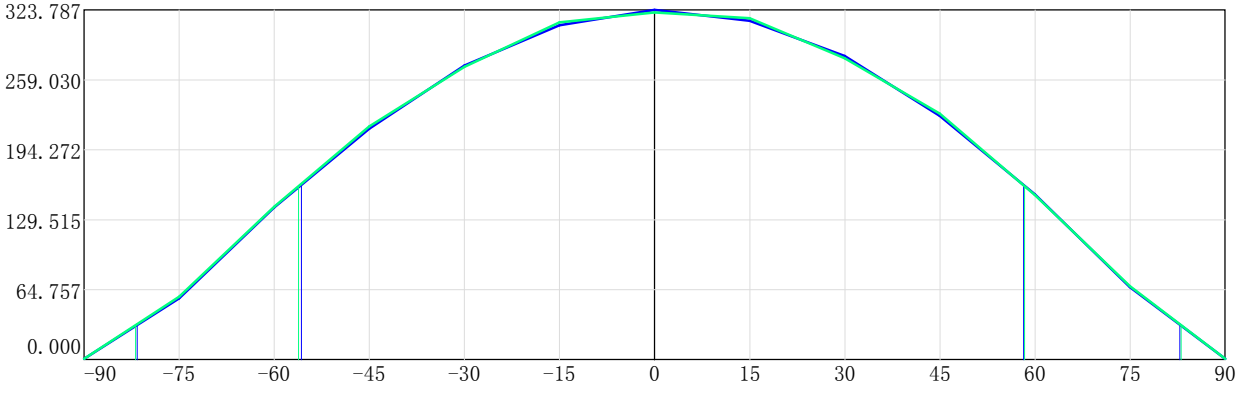
IES Flood Report
Photometric Filename: HCP3355144.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355144	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





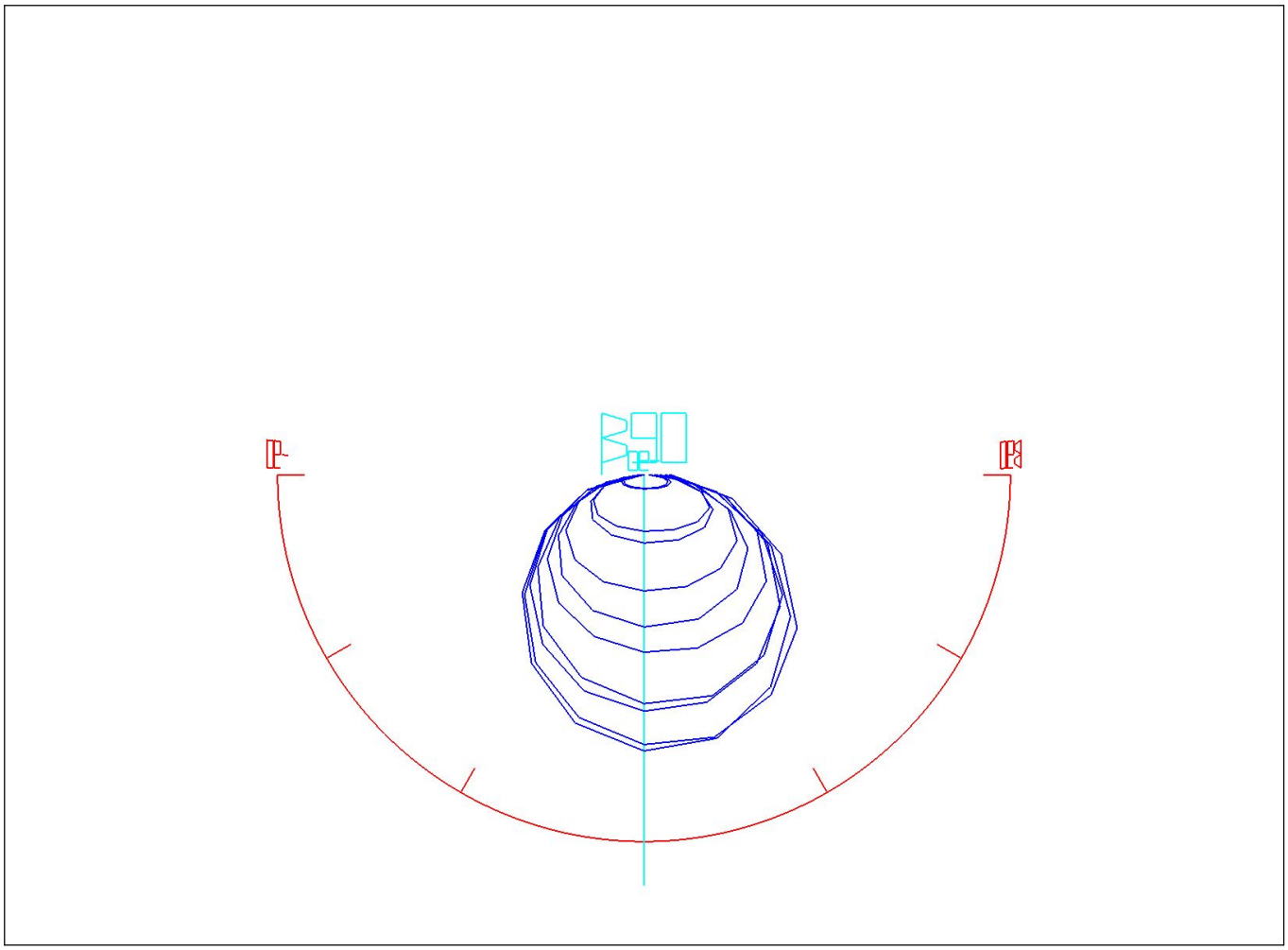
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B15.0 :	113.9	164.4	

IES Flood Report
Photometric Filename: HCP3355144.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355144	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: HCP3355144.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	0.28	0.85	1.49	2.06	2.43	2.44	2.08	1.46	0.79	0.29	0.04
B-75.0	0.07	0.74	2.26	4.14	5.90	6.96	7.00	6.00	4.24	2.32	0.79	0.08
B-60.0	0.12	1.26	3.77	6.83	9.66	11.34	11.40	9.85	7.09	3.96	1.37	0.14
B-45.0	0.18	1.80	5.25	9.40	13.19	15.42	15.51	13.46	9.79	5.57	1.97	0.21
B-30.0	0.22	2.24	6.46	11.47	16.03	18.70	18.82	16.36	11.96	6.87	2.47	0.26
B-15.0	0.25	2.52	7.20	12.77	17.82	20.77	20.91	18.19	13.30	7.67	2.79	0.30
B0.0	0.26	2.60	7.41	13.19	18.39	21.47	21.60	18.79	13.74	7.90	2.88	0.31
B15.0	0.24	2.47	7.07	12.67	17.65	20.65	20.79	18.07	13.23	7.57	2.76	0.29
B30.0	0.20	2.14	6.18	11.18	15.60	18.30	18.43	15.99	11.69	6.64	2.41	0.24
B45.0	0.15	1.63	4.77	8.76	12.30	14.48	14.60	12.63	9.19	5.14	1.84	0.18
B60.0	0.09	1.00	3.00	5.67	8.10	9.62	9.72	8.36	5.98	3.26	1.14	0.11
B75.0	0.04	0.45	1.36	2.61	3.81	4.58	4.64	3.95	2.77	1.49	0.53	0.06
B90.0												
Total	1.88	19.14	55.57	100.19	140.52	164.71	165.84	143.71	104.45	59.18	21.23	2.22

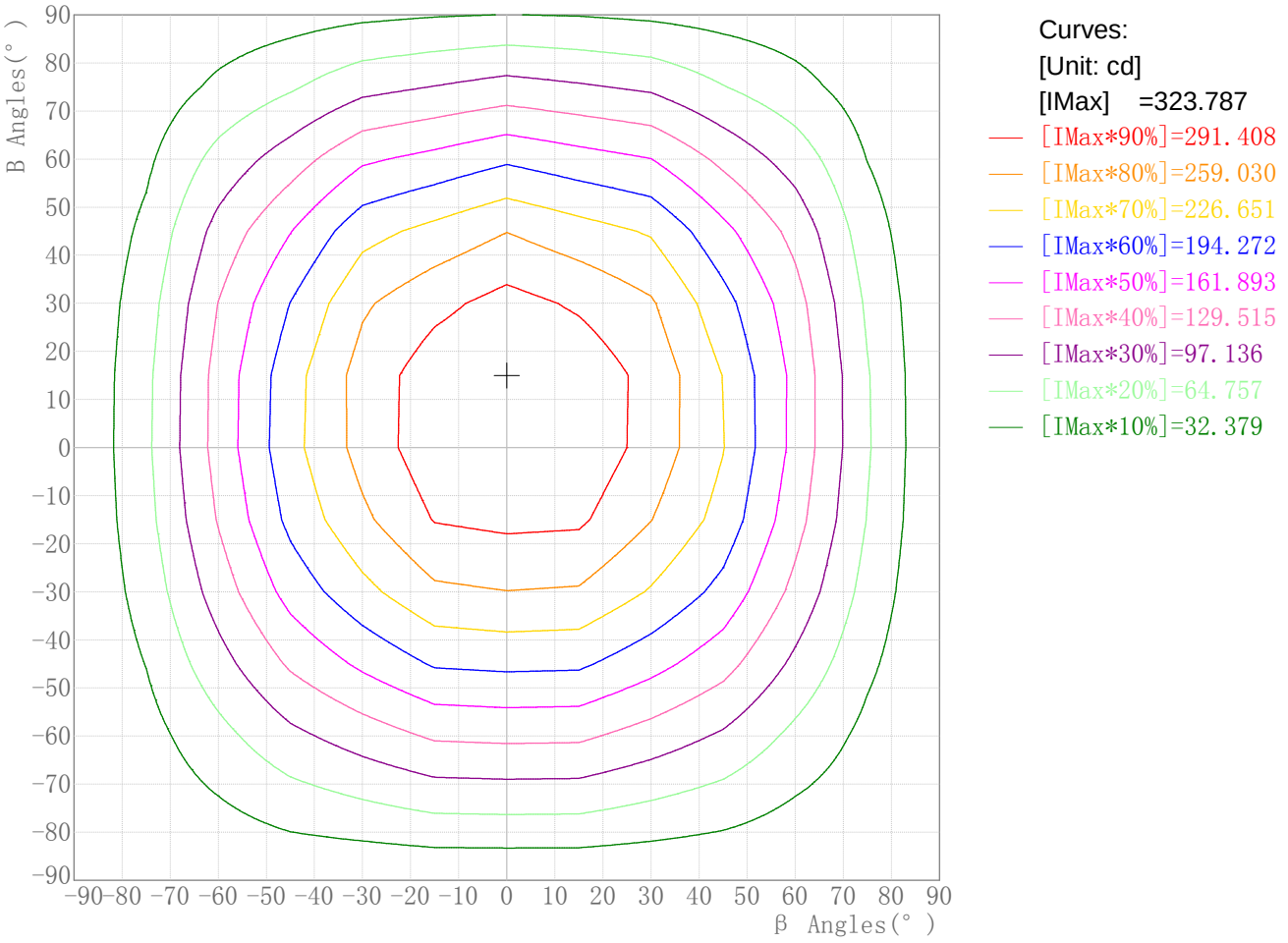
β 90.0	Total
B-90.0	14.22
B-75.0	40.51
B-60.0	66.79
B-45.0	91.75
B-30.0	111.87
B-15.0	124.49
B0.0	128.54
B15.0	123.45
B30.0	109.00
B45.0	85.68
B60.0	56.05
B75.0	26.28
B90.0	
Total	978.63

IES Flood Report
Photometric Filename: HCP3355144.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355144	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



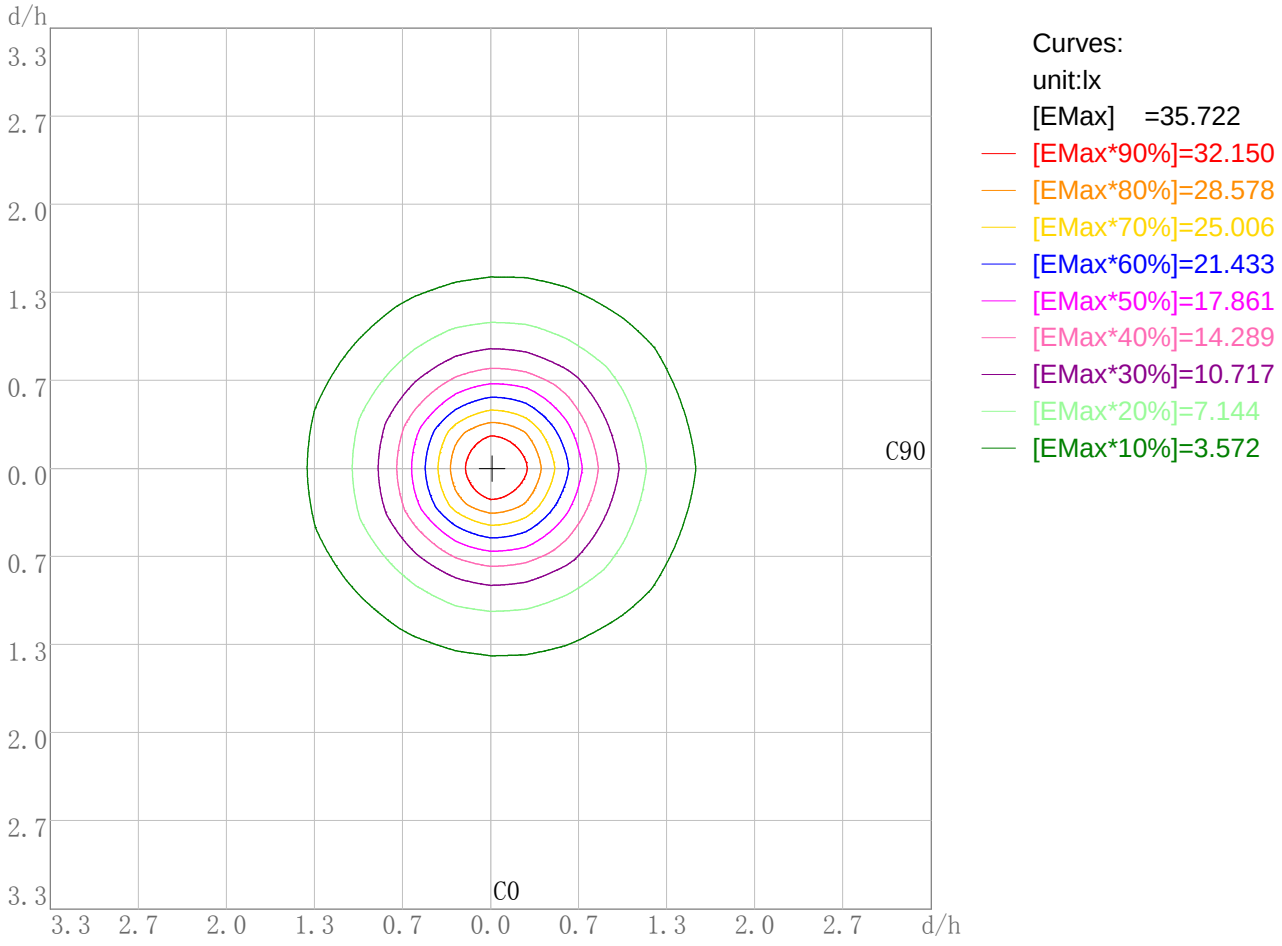
Maximum Light Intensity(cd): 323.79
Maximum Cand.@Angle: H=0.0°,V=15.0°

IES Flood Report
Photometric Filename: HCP3355144.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355144	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



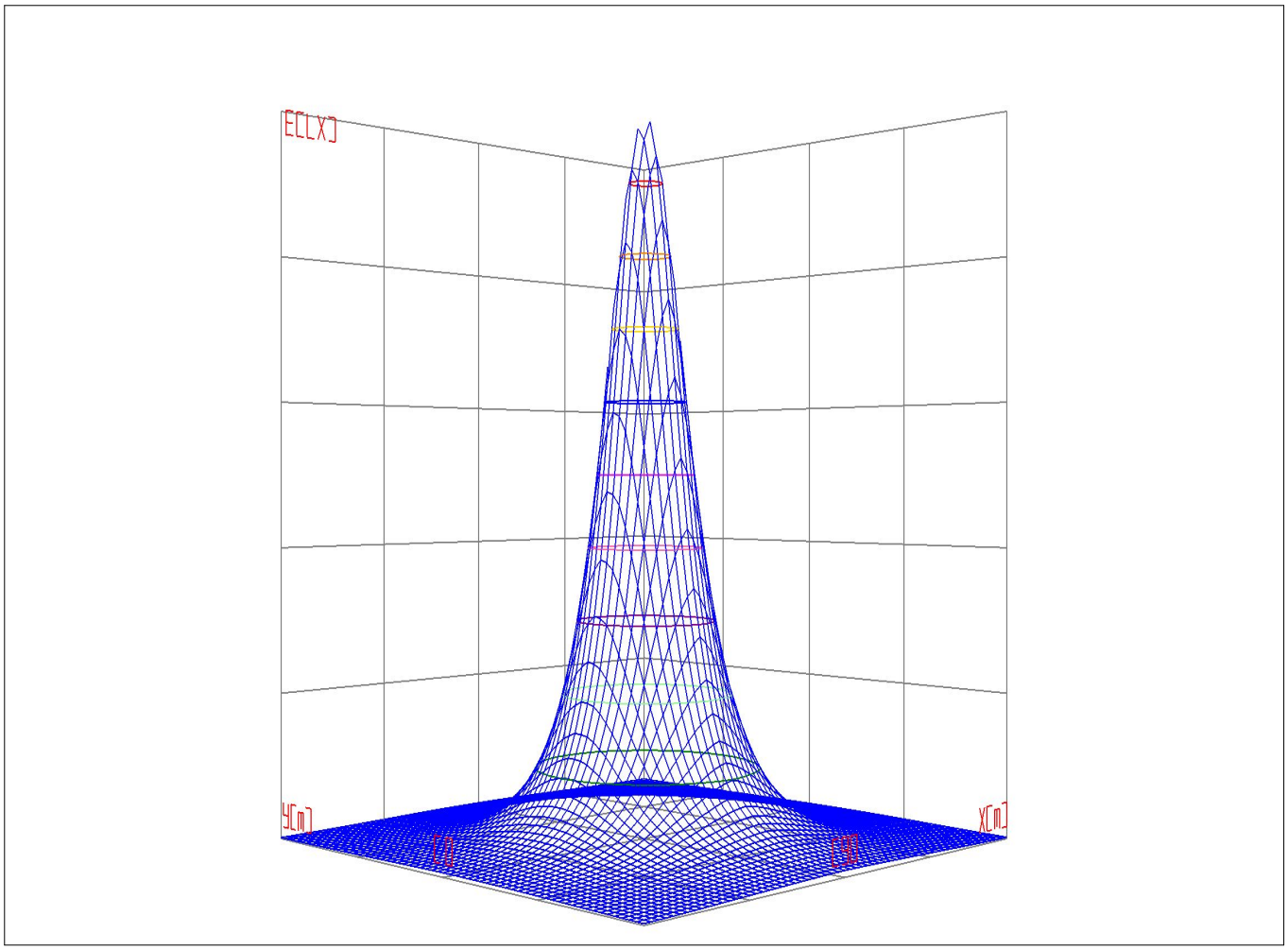
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 35.72
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP3355144.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355144	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%

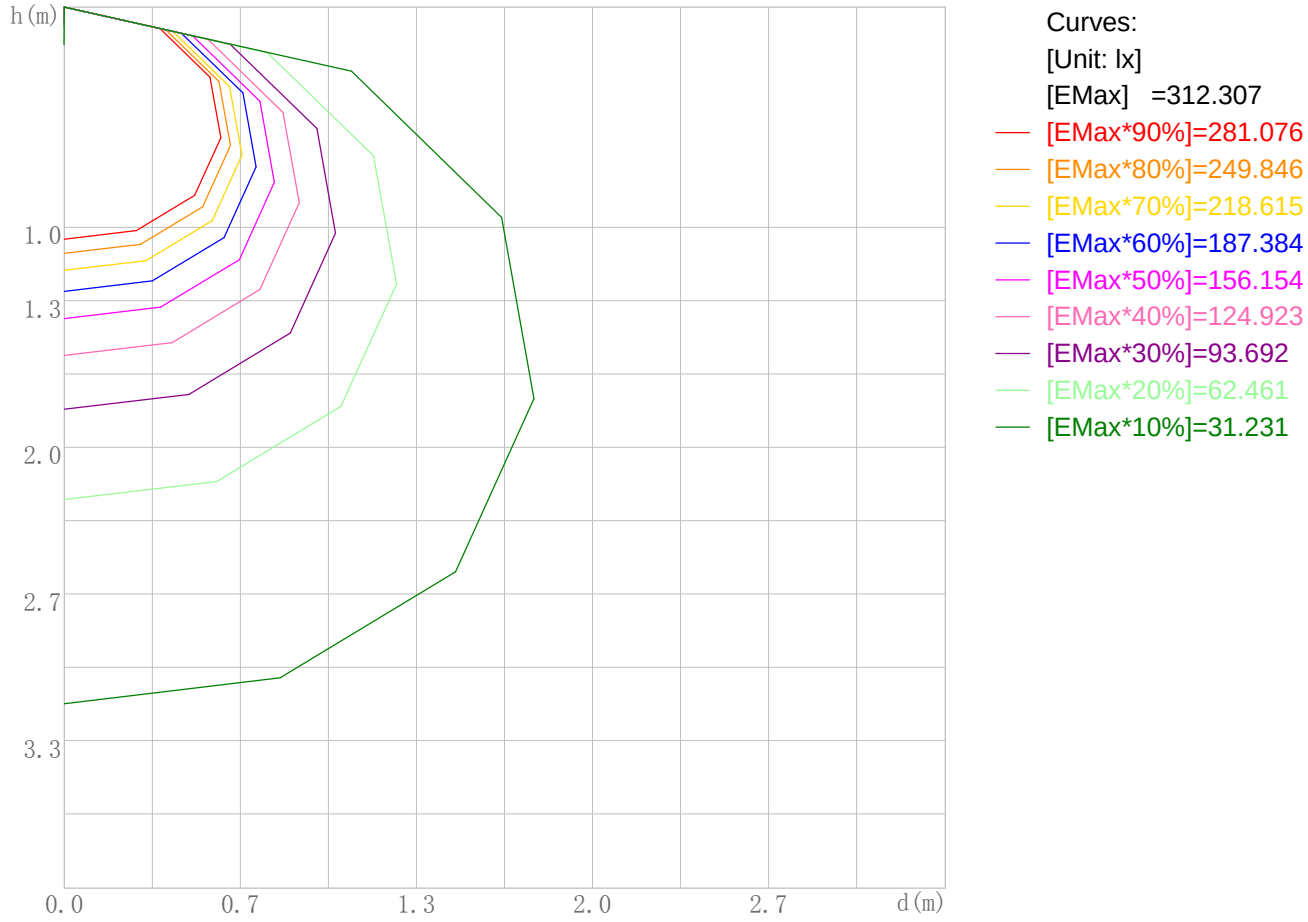
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP3355144.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355144	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



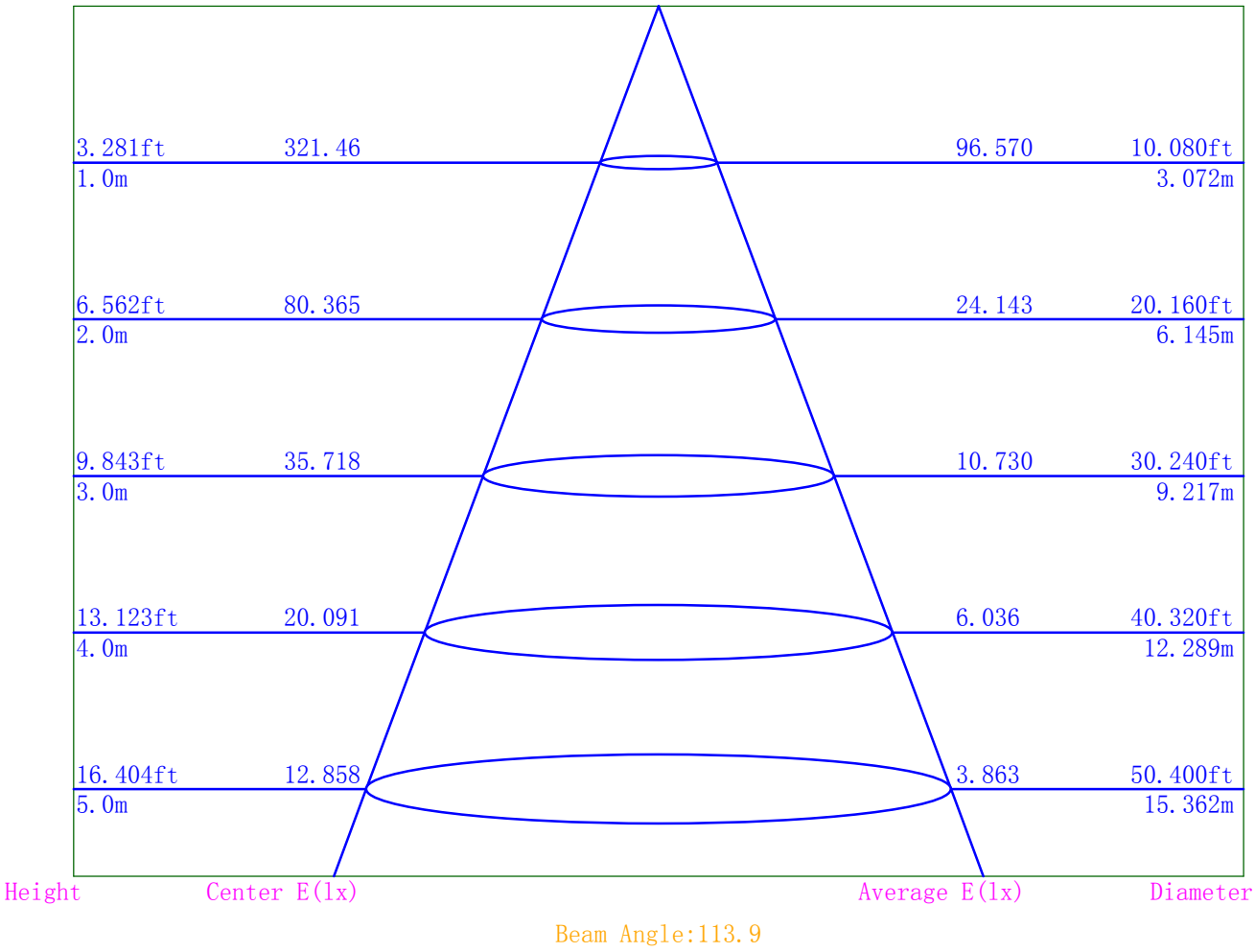
Space Plane Maximum Illuminance and @Angle:312.31lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:321.460cd,0eg

IES Flood Report
Photometric Filename: HCP3355144.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355144	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:113.9

IES Flood Report
Photometric Filename: HCP3355144.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	0.95	1.62	3.50	4.14	1.32	1.32	1.28	1.26	1.24	1.23	1.18	2.94
B-75.0	0.95	10.15	27.97	46.10	58.18	69.64	70.93	70.28	58.73	46.22	27.67	12.19
B-60.0	0.95	20.31	54.44	89.10	112.40	133.83	136.36	135.43	115.58	92.60	56.63	23.88
B-45.0	0.95	33.12	84.64	134.23	168.17	197.71	201.43	199.80	173.26	141.45	90.04	38.60
B-30.0	0.95	45.05	112.04	174.08	217.11	252.79	258.44	255.73	223.70	184.13	120.21	52.71
B-15.0	0.95	53.91	131.75	202.83	252.36	293.13	299.48	297.11	259.83	214.66	141.87	63.44
B0.0	0.95	58.27	141.66	216.05	270.98	312.31	321.46	316.12	279.09	227.91	152.56	68.23
B15.0	0.95	56.93	140.89	213.77	272.17	309.62	323.79	313.80	281.12	225.81	153.16	67.11
B30.0	0.95	50.19	130.02	194.88	254.16	282.49	303.05	286.64	262.94	205.81	142.56	59.42
B45.0	0.95	39.37	108.17	160.75	215.27	236.18	258.30	239.93	223.25	170.75	119.16	47.17
B60.0	0.95	26.26	75.51	113.71	156.55	171.44	189.16	174.75	162.44	121.44	82.80	31.67
B75.0	0.95	12.49	38.54	60.75	87.17	98.06	109.13	100.78	91.57	65.92	42.95	16.66
B90.0	0.95	5.47	12.62	18.94	25.65	30.31	32.76	31.02	26.76	20.27	14.09	6.66

V/H	β 90.0
B-90.0	0.90
B-75.0	0.90
B-60.0	0.90
B-45.0	0.90
B-30.0	0.90
B-15.0	0.90
B0.0	0.90
B15.0	0.90
B30.0	0.90
B45.0	0.90
B60.0	0.90
B75.0	0.90
B90.0	0.90