IES Flood Report
Photometric Filename: HCP-3355145.IES

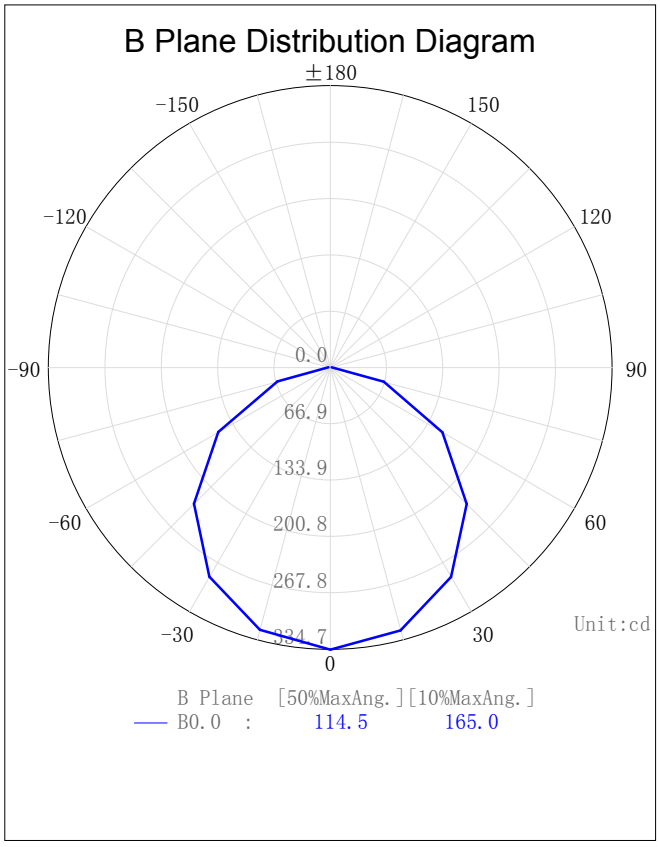
Flood Luminaire Photometric Data

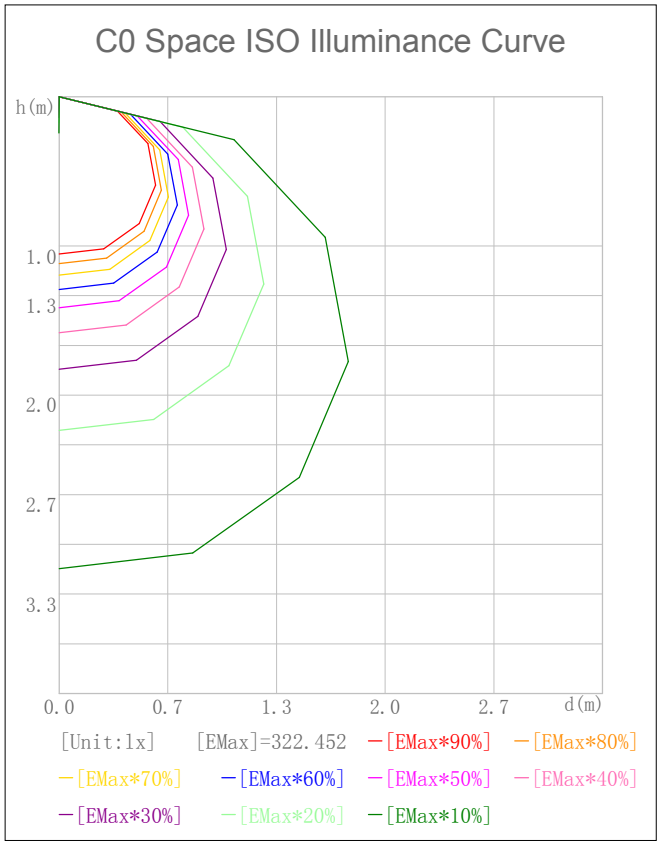
Description Information

Luminary Name: HCP-3355145		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog:	Test Date: 2019/07/02
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):	1111.000	Luminary Flux(lm):	1042.420	Beam Lumens(lm):	769.40
Rated Power(W):		Luminary Efficiency:	93.83%	Beam Efficiency(%):	73.81
Rated Voltage(V):		Luminary EER(lm/W):	70.055	Field Lumens(lm):	1025.17
Tested Power(W):	14.880	Max.Candela(cd):	334.740	Field Efficiency(%):	98.35
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	780.347lm
Tested Electrics(V,A,pf):24.0,0.62,0.000		Beam Angle(50%)(V,H):	123.8(°),114.5(°)	IRF(%):	105.347
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.3(°),165.0(°)		





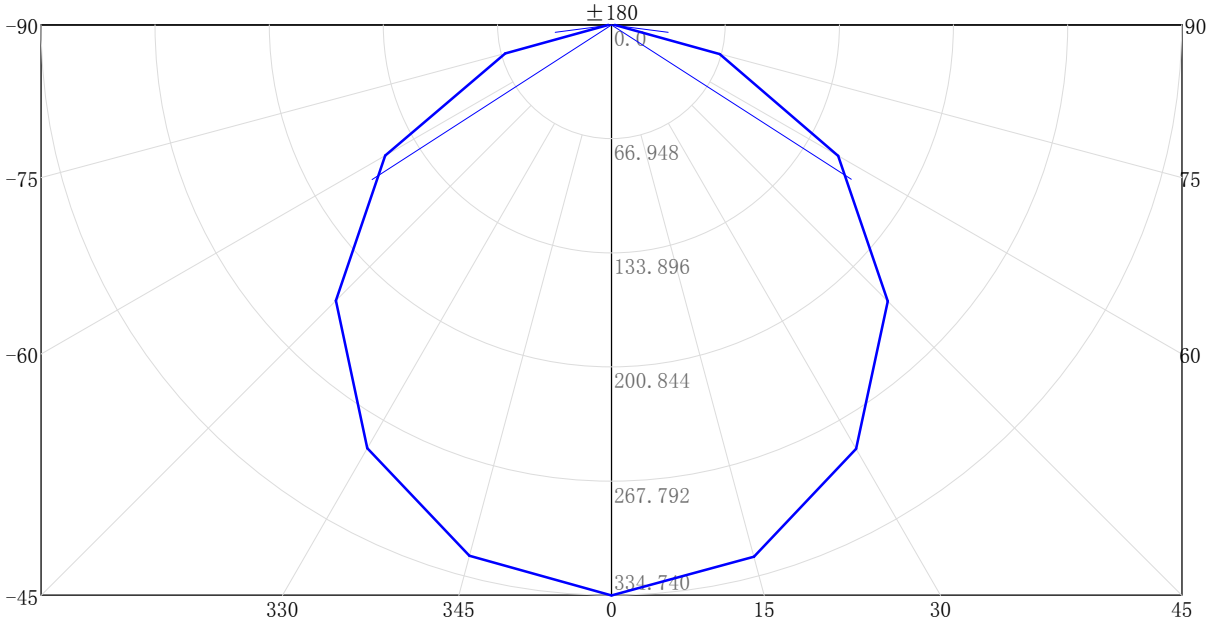
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

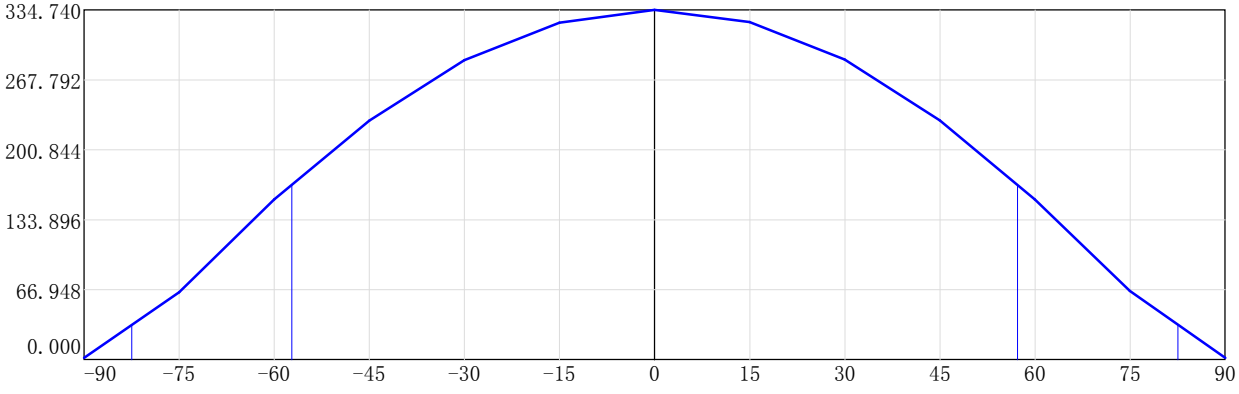
IES Flood Report
Photometric Filename: HCP-3355145.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

B Plane Distribution Diagram





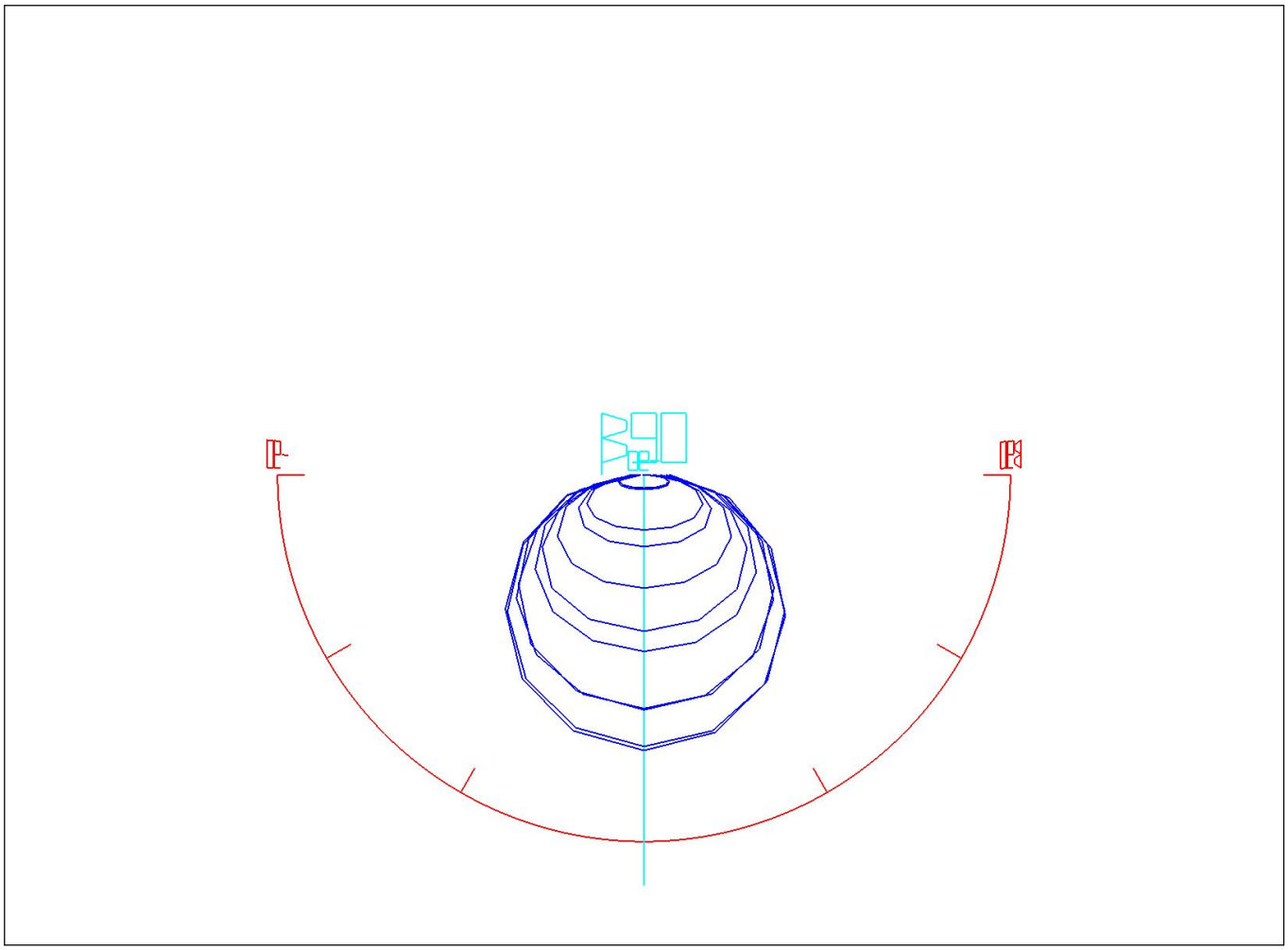
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	114.5	165.0	

IES Flood Report
Photometric Filename: HCP-3355145.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

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-3355145.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	0.41	1.16	2.09	3.05	3.72	3.84	3.33	2.37	1.31	0.46	0.06	
B-75.0	0.11	1.02	3.04	5.53	7.80	9.10	9.09	7.78	5.52	3.02	1.02	0.11	
B-60.0	0.17	1.65	4.77	8.52	11.82	13.72	13.72	11.82	8.51	4.76	1.65	0.17	
B-45.0	0.23	2.21	6.26	11.04	15.23	17.65	17.66	15.24	11.05	6.26	2.21	0.23	
B-30.0	0.27	2.60	7.30	12.82	17.65	20.44	20.45	17.67	12.83	7.30	2.61	0.27	
B-15.0	0.29	2.80	7.81	13.73	18.90	21.88	21.90	18.93	13.75	7.82	2.81	0.30	
B0.0	0.29	2.81	7.84	13.79	18.98	21.97	21.99	19.01	13.82	7.86	2.83	0.30	
B15.0	0.27	2.62	7.37	12.98	17.87	20.70	20.72	17.90	13.00	7.38	2.64	0.28	
B30.0	0.23	2.24	6.36	11.26	15.53	18.02	18.03	15.55	11.27	6.36	2.26	0.23	
B45.0	0.17	1.69	4.88	8.76	12.16	14.14	14.14	12.17	8.76	4.88	1.70	0.17	
B60.0	0.11	1.06	3.14	5.80	8.16	9.55	9.55	8.16	5.79	3.14	1.07	0.11	
B75.0	0.05	0.47	1.46	2.77	3.95	4.65	4.57	3.76	2.53	1.27	0.42	0.05	
B90.0													
Total	2.23	21.58	61.40	109.10	151.09	175.54	175.67	151.32	109.19	61.35	21.67	2.27	

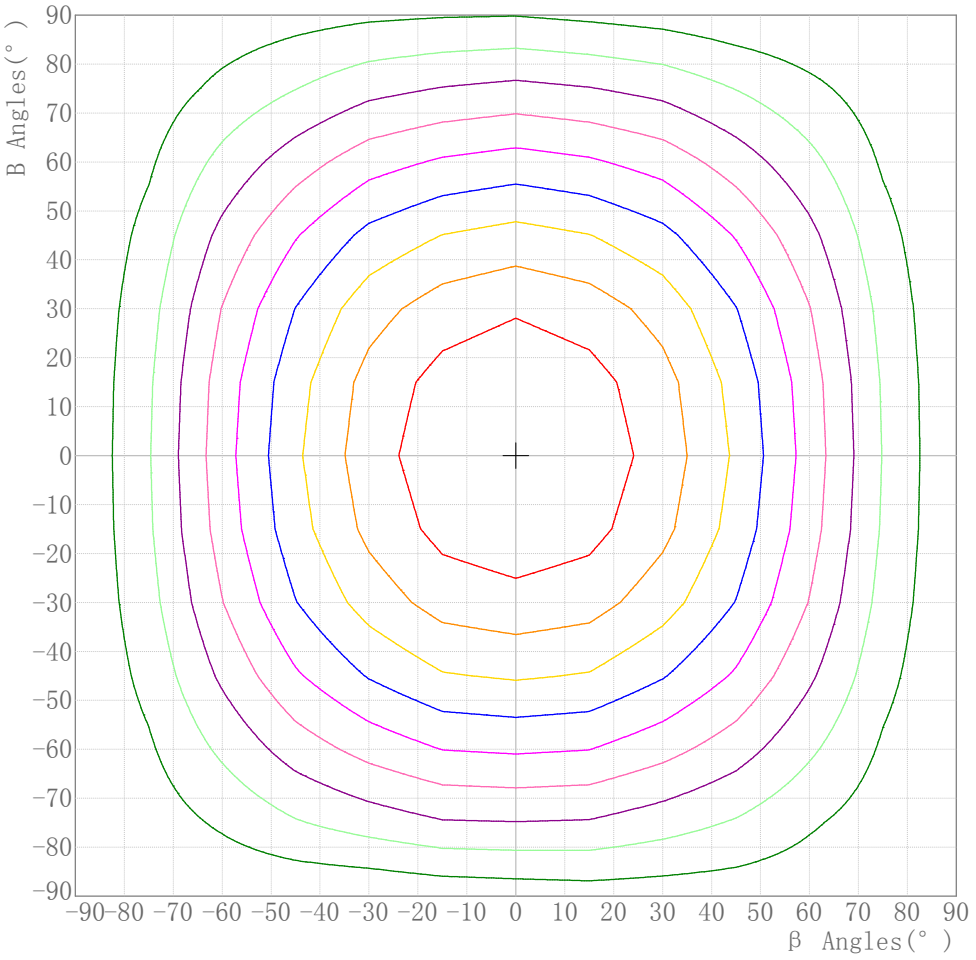
	β 90.0	Total
B-90.0		21.86
B-75.0		53.13
B-60.0		81.28
B-45.0		105.27
B-30.0		122.22
B-15.0		130.92
B0.0		131.48
B15.0		123.73
B30.0		107.34
B45.0		83.62
B60.0		55.63
B75.0		25.95
B90.0		
Total		1042.42

IES Flood Report
Photometric Filename: HCP-3355145.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =334.740
[IMax*90%]=301.266
[IMax*80%]=267.792
[IMax*70%]=234.318
[IMax*60%]=200.844
[IMax*50%]=167.370
[IMax*40%]=133.896
[IMax*30%]=100.422
[IMax*20%]=66.948
[IMax*10%]=33.474

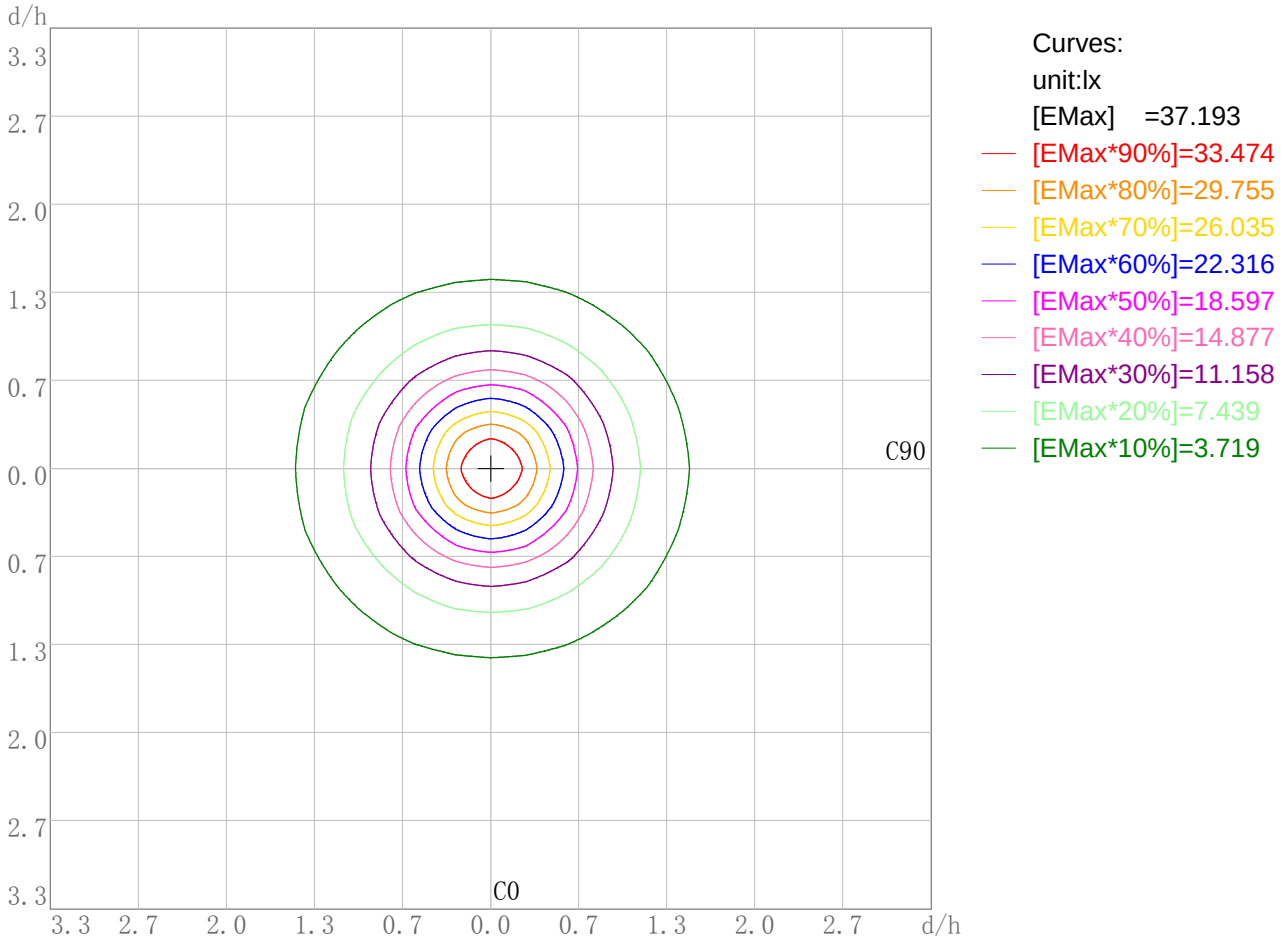
Maximum Light Intensity(cd): 334.74
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355145.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

Plane ISO-Illuminance Curve



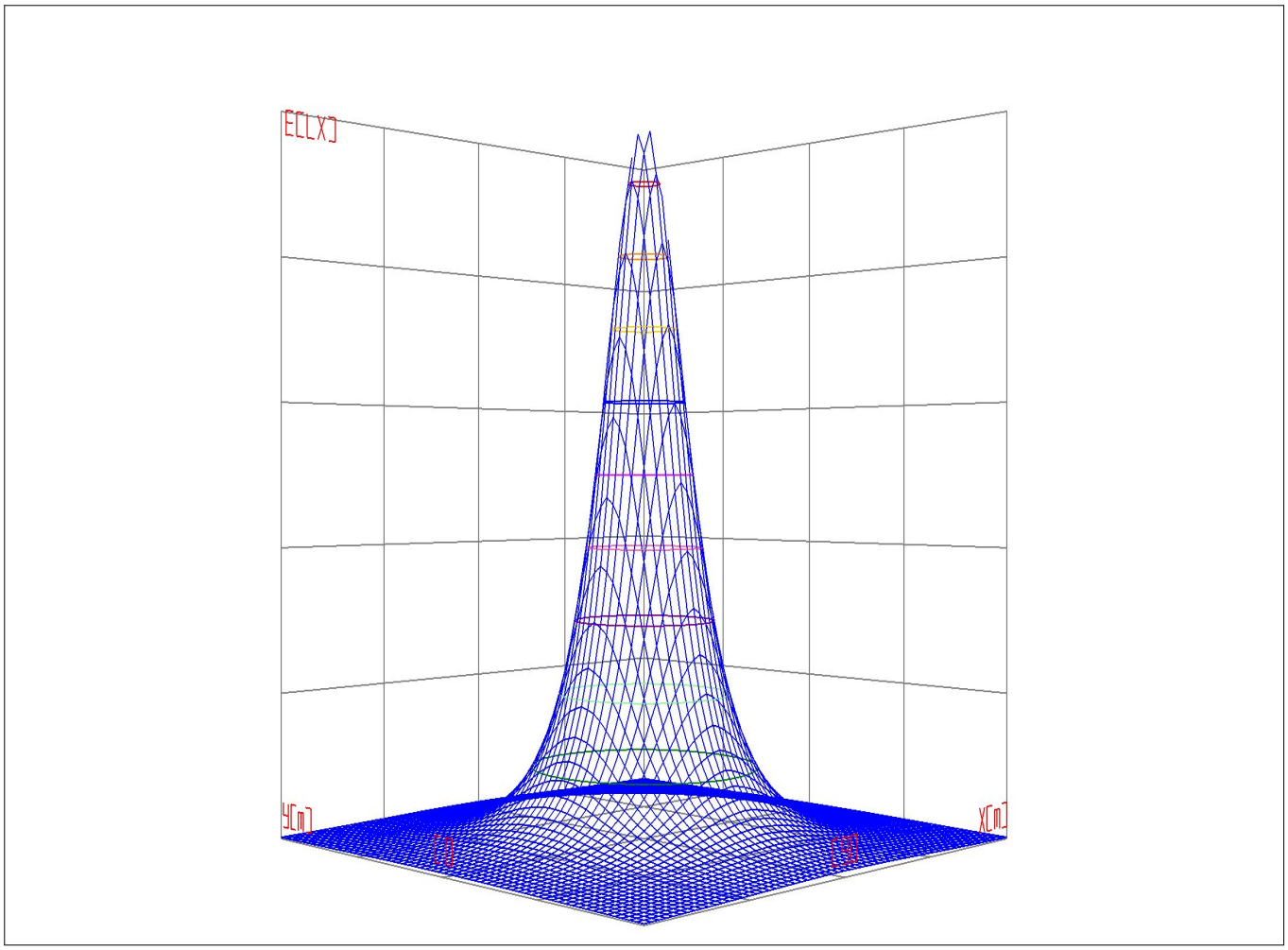
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 37.19
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355145.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

3D Plane Illuminance Modal



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

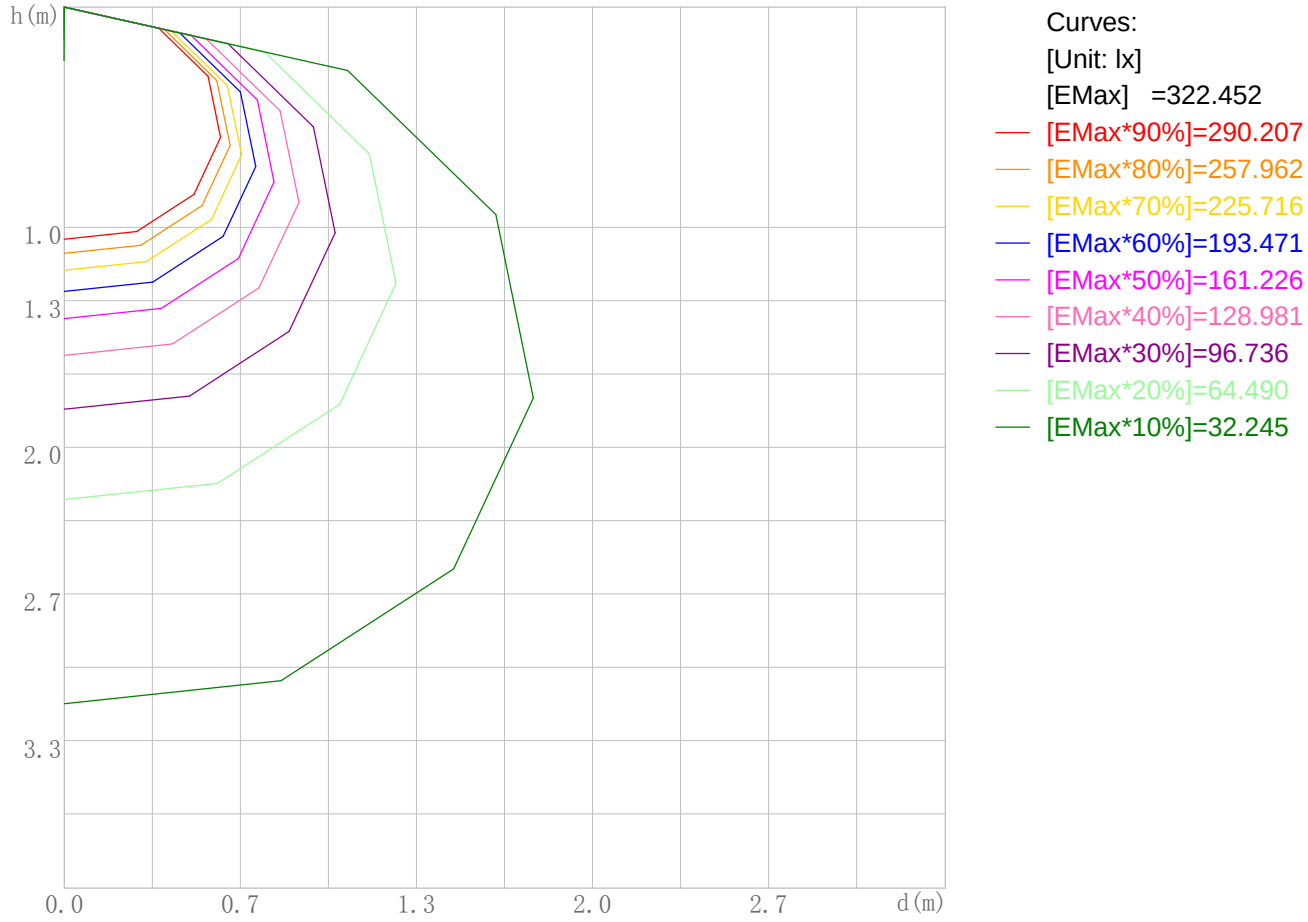
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355145.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

Space ISO Illuminance Curve



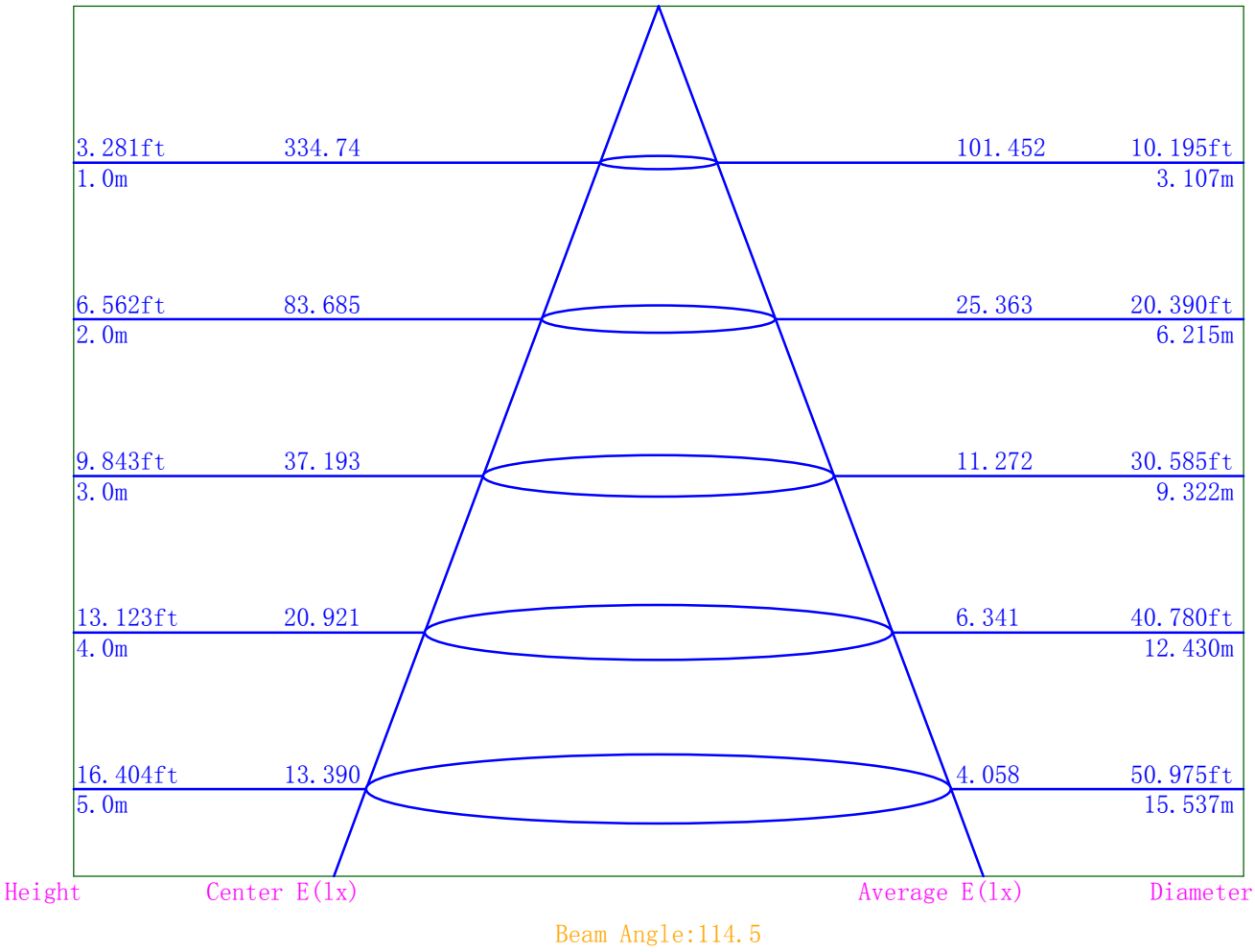
Space Plane Maximum Illuminance and @Angle:322.45lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:334.740cd,0eg

IES Flood Report
Photometric Filename: HCP-3355145.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355145	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/02

Illuminance-Distance Curve



Beam Angle:114.5

IES Flood Report
Photometric Filename: HCP-3355145.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	1.91	4.03	4.65	4.47	3.53	9.60	13.13	16.64	15.05	13.93	10.87	6.72
B-75.0	1.91	15.37	38.60	64.08	82.30	97.64	99.39	97.46	82.00	63.62	37.92	15.59
B-60.0	1.91	29.06	73.40	116.05	145.88	168.03	172.05	167.98	145.67	115.74	72.71	29.22
B-45.0	1.91	43.33	106.55	163.06	203.26	231.60	238.26	231.82	203.28	163.06	106.15	43.57
B-30.0	1.91	54.86	132.82	199.78	248.73	281.43	290.71	281.68	248.82	199.80	132.49	55.49
B-15.0	1.91	62.17	148.01	221.23	276.38	311.74	322.74	312.11	276.67	221.43	147.82	63.03
B0.0	1.91	64.58	153.36	228.67	286.71	322.45	334.74	322.96	287.20	229.13	153.56	65.70
B15.0	1.91	62.18	149.36	222.40	279.48	313.56	326.49	314.06	280.00	222.85	149.69	63.47
B30.0	1.91	54.90	135.00	201.51	254.16	284.59	297.56	285.10	254.57	201.82	135.19	56.14
B45.0	1.91	43.30	109.55	164.95	210.15	234.96	246.44	235.27	210.29	165.03	109.49	44.23
B60.0	1.91	28.87	76.58	118.03	153.35	171.80	181.26	171.91	153.28	117.94	76.45	29.76
B75.0	1.91	14.94	41.40	66.19	89.96	101.85	109.00	101.79	89.81	65.97	41.32	15.80
B90.0	1.91	3.16	12.50	20.47	27.57	31.16	32.46	26.67	20.05	10.57	4.72	1.69

V/H	β 90.0
B-90.0	1.90
B-75.0	1.90
B-60.0	1.90
B-45.0	1.90
B-30.0	1.90
B-15.0	1.90
B0.0	1.90
B15.0	1.90
B30.0	1.90
B45.0	1.90
B60.0	1.90
B75.0	1.90
B90.0	1.90