IES Flood Report
Photometric Filename: HCP-3365193.IES

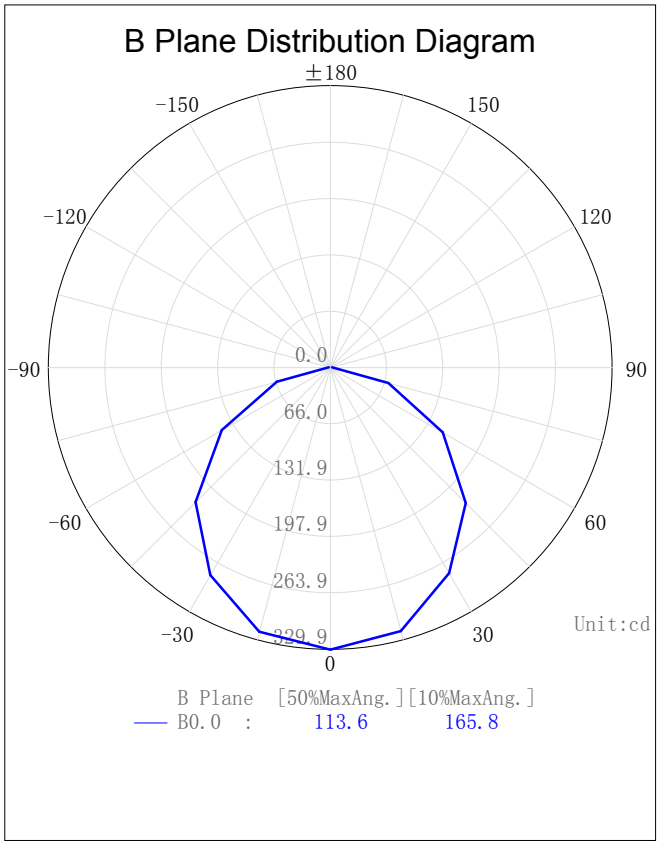
Flood Luminaire Photometric Data

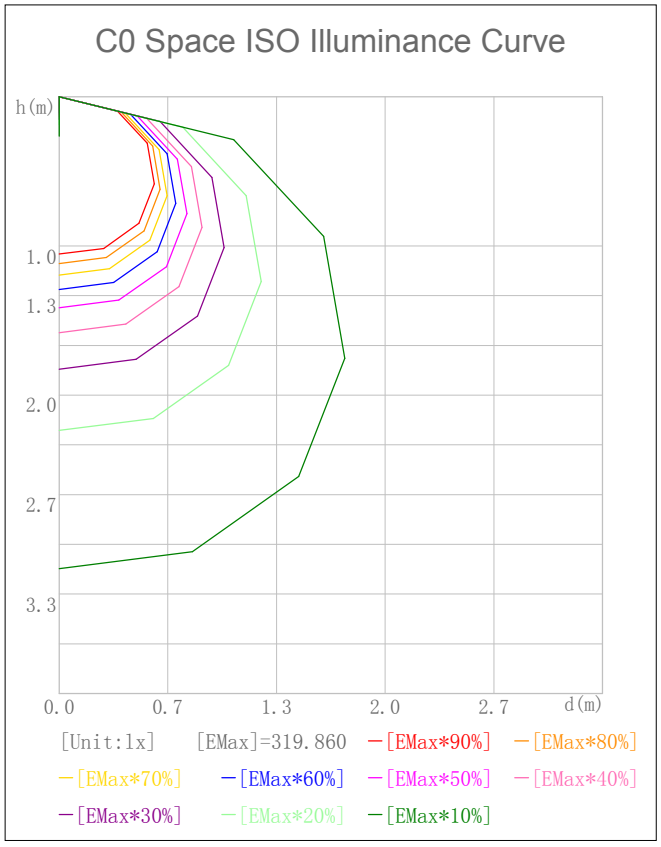
Description Information

Luminary Name: HCP-3365193		Lum. Catelog:	Test ID:
Lamp Name: 2110 3000K		Lamp Catelog:	Test Date: 2019/07/16
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):	1268.500	Luminary Flux(lm):	1052.601	Beam Lumens(lm):	764.80
Rated Power(W):		Luminary Efficiency:	82.98%	Beam Efficiency(%):	72.66
Rated Voltage(V):		Luminary EER(lm/W):	56.959	Field Lumens(lm):	1039.35
Tested Power(W):	18.480	Max.Candela(cd):	329.862	Field Efficiency(%):	98.74
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	768.886lm
Tested Electrics(V,A,pf):24.0,0.770,0.000		Beam Angle(50%)(V,H):	126.5(°),113.6(°)	IRF(%):	105.342
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.9(°),165.8(°)		





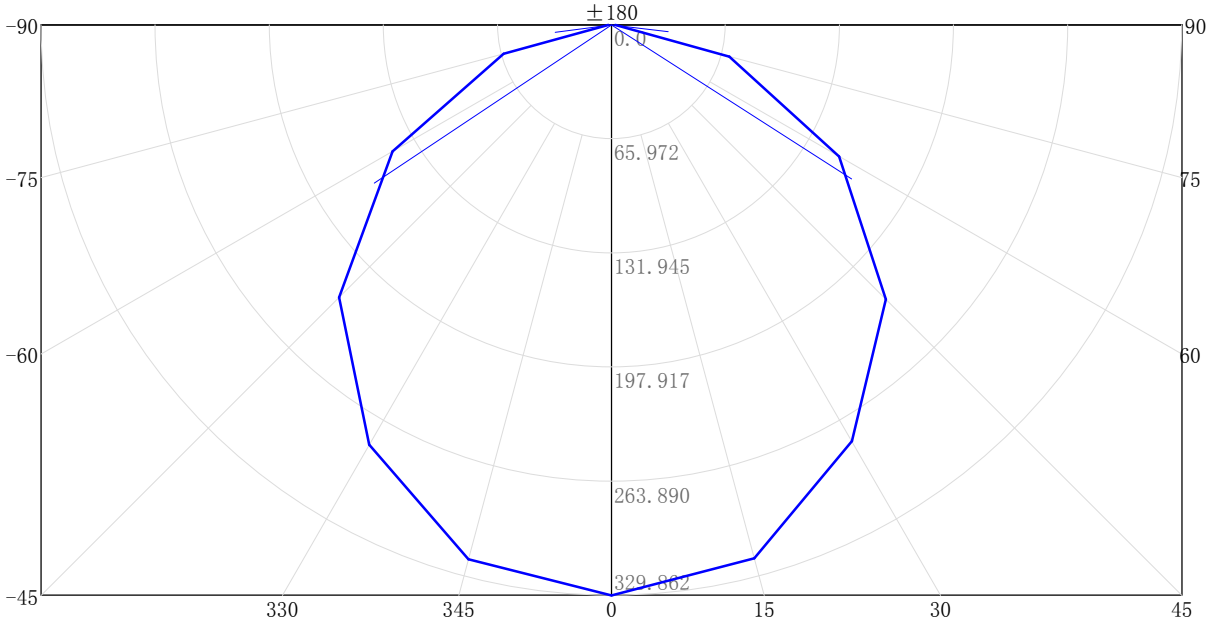
HAVIT COMMERCIAL
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

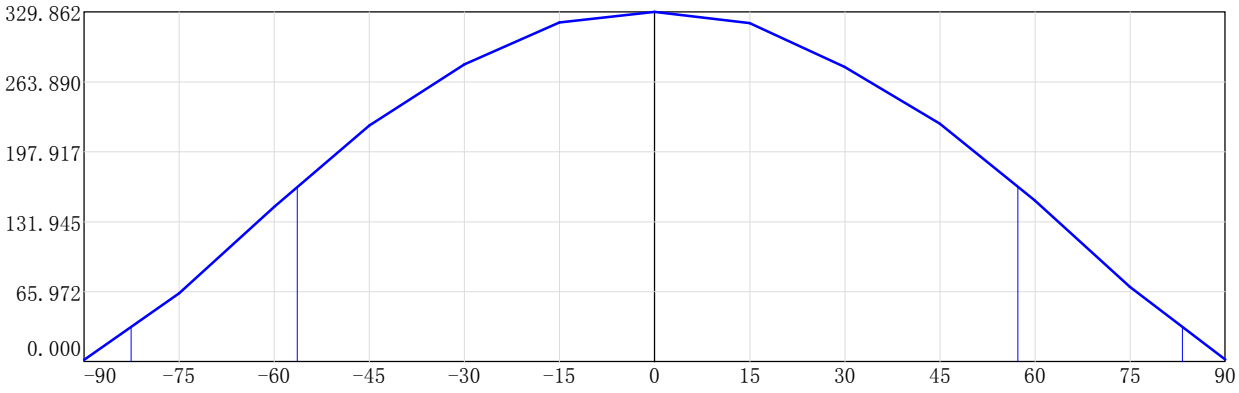
IES Flood Report
Photometric Filename: HCP-3365193.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

B Plane Distribution Diagram





B Plane [50%MaxAng.] [10%MaxAng.] Unit:cd

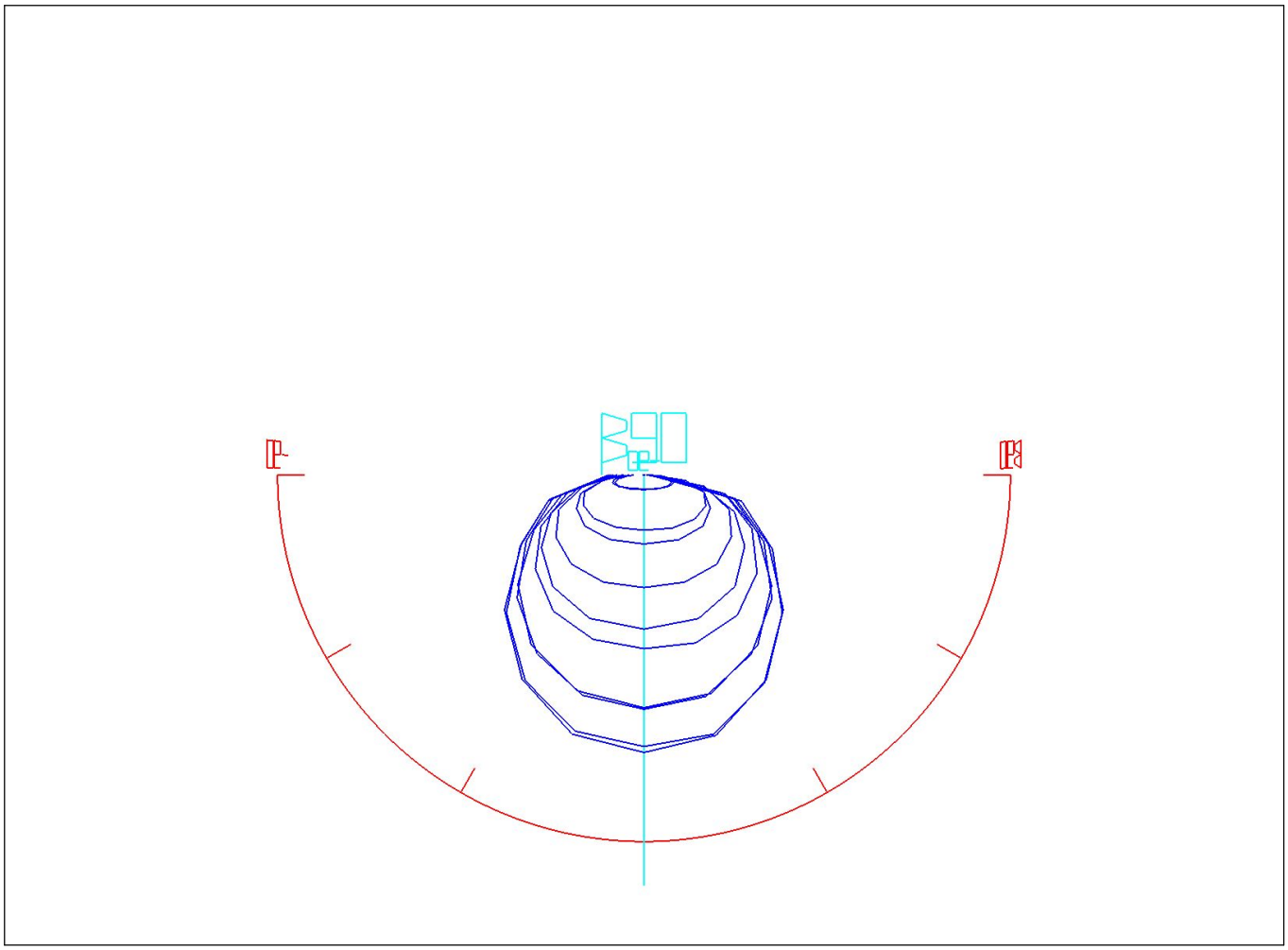
B0.0 : 113.6 165.8

IES Flood Report
Photometric Filename: HCP-3365193.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

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-3365193.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	0.08	0.72	1.97	3.44	4.75	5.50	5.42	4.59	3.32	1.97	0.81	0.11	
B-75.0	0.14	1.27	3.55	6.16	8.46	9.83	9.80	8.40	6.11	3.56	1.37	0.17	
B-60.0	0.19	1.81	4.99	8.63	11.80	13.68	13.66	11.78	8.66	5.06	1.94	0.23	
B-45.0	0.24	2.24	6.18	10.89	15.05	17.49	17.42	14.95	10.93	6.32	2.40	0.28	
B-30.0	0.28	2.57	7.11	12.59	17.45	20.32	20.26	17.36	12.63	7.28	2.72	0.31	
B-15.0	0.29	2.73	7.58	13.44	18.67	21.73	21.70	18.57	13.45	7.74	2.87	0.32	
B0.0	0.29	2.72	7.59	13.48	18.74	21.82	21.79	18.71	13.54	7.76	2.90	0.32	
B15.0	0.27	2.56	7.12	12.64	17.55	20.48	20.44	17.63	12.84	7.34	2.76	0.31	
B30.0	0.24	2.21	6.13	10.89	15.11	17.58	17.55	15.26	11.15	6.36	2.40	0.27	
B45.0	0.18	1.74	4.87	8.64	11.94	13.86	13.88	12.12	8.87	5.08	1.92	0.22	
B60.0	0.12	1.16	3.35	6.08	8.51	9.97	9.97	8.62	6.28	3.57	1.34	0.15	
B75.0	0.05	0.46	1.32	2.49	3.59	4.30	4.32	3.72	2.69	1.53	0.60	0.08	
B90.0													
Total	2.38	22.18	61.77	109.37	151.64	176.54	176.20	151.71	110.46	63.57	24.02	2.77	

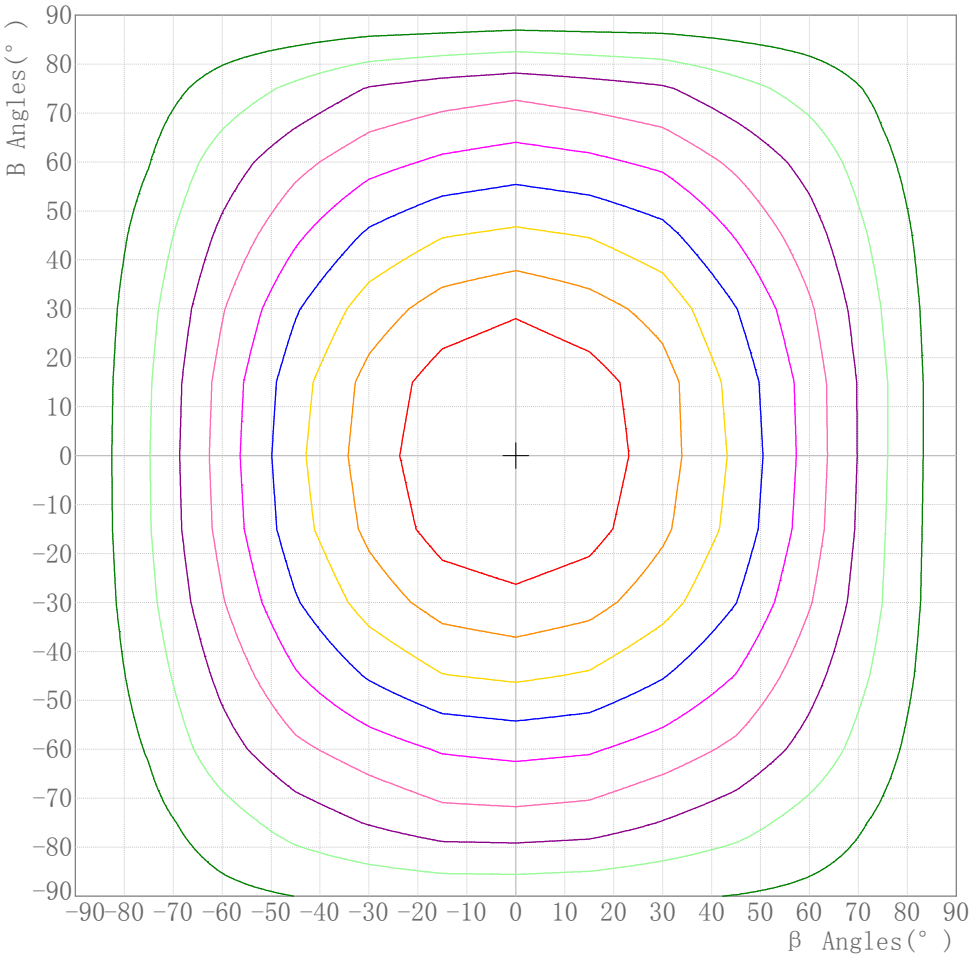
	β 90.0	Total
B-90.0		32.67
B-75.0		58.81
B-60.0		82.42
B-45.0		104.39
B-30.0		120.89
B-15.0		129.09
B0.0		129.66
B15.0		121.93
B30.0		105.16
B45.0		83.32
B60.0		59.12
B75.0		25.15
B90.0		
Total		1052.60

IES Flood Report
Photometric Filename: HCP-3365193.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =329.862
[IMax*90%]=296.876
[IMax*80%]=263.890
[IMax*70%]=230.903
[IMax*60%]=197.917
[IMax*50%]=164.931
[IMax*40%]=131.945
[IMax*30%]=98.959
[IMax*20%]=65.972
[IMax*10%]=32.986

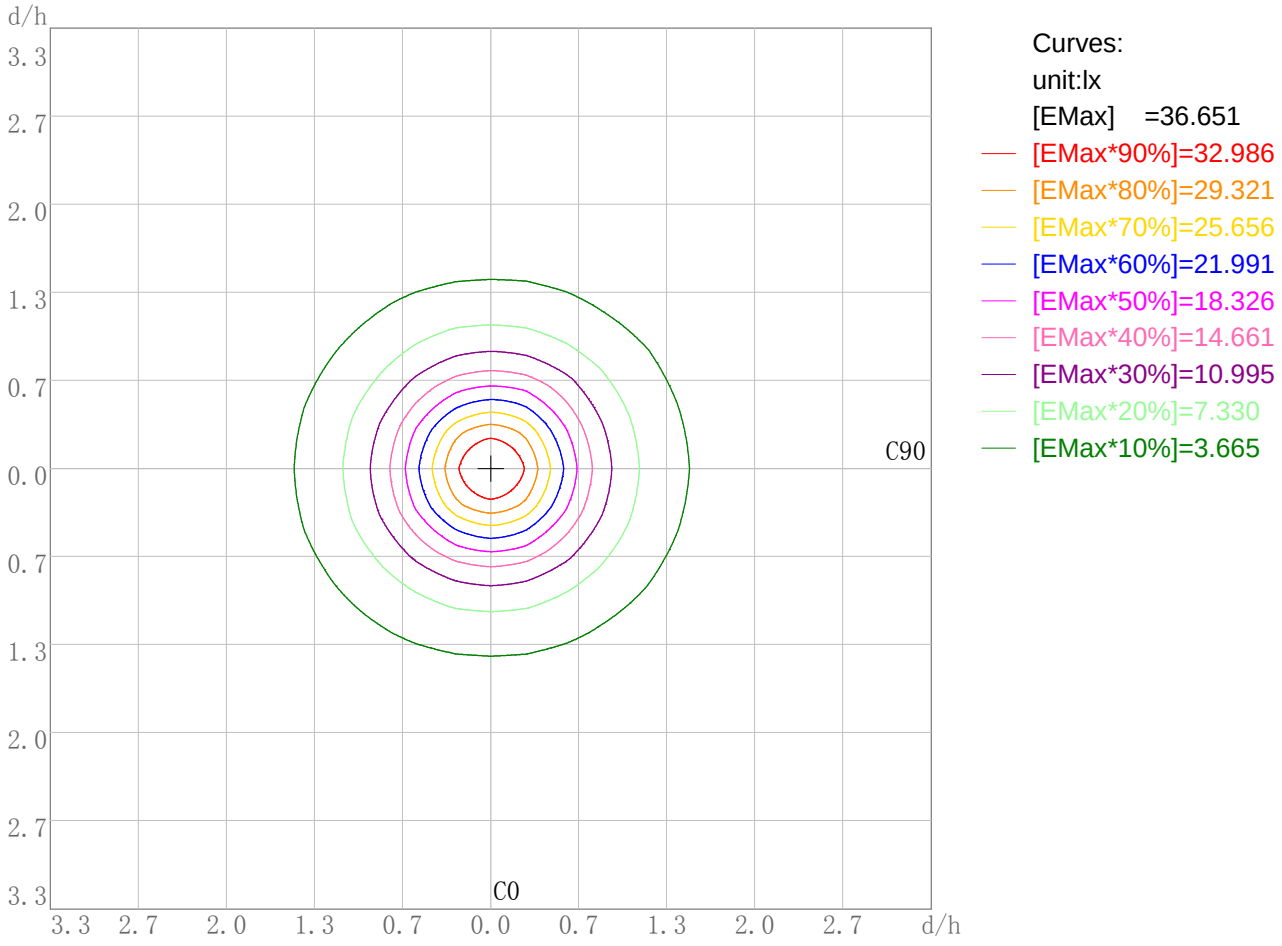
Maximum Light Intensity(cd): 329.86
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365193.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture:HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Plane ISO-Illuminance Curve



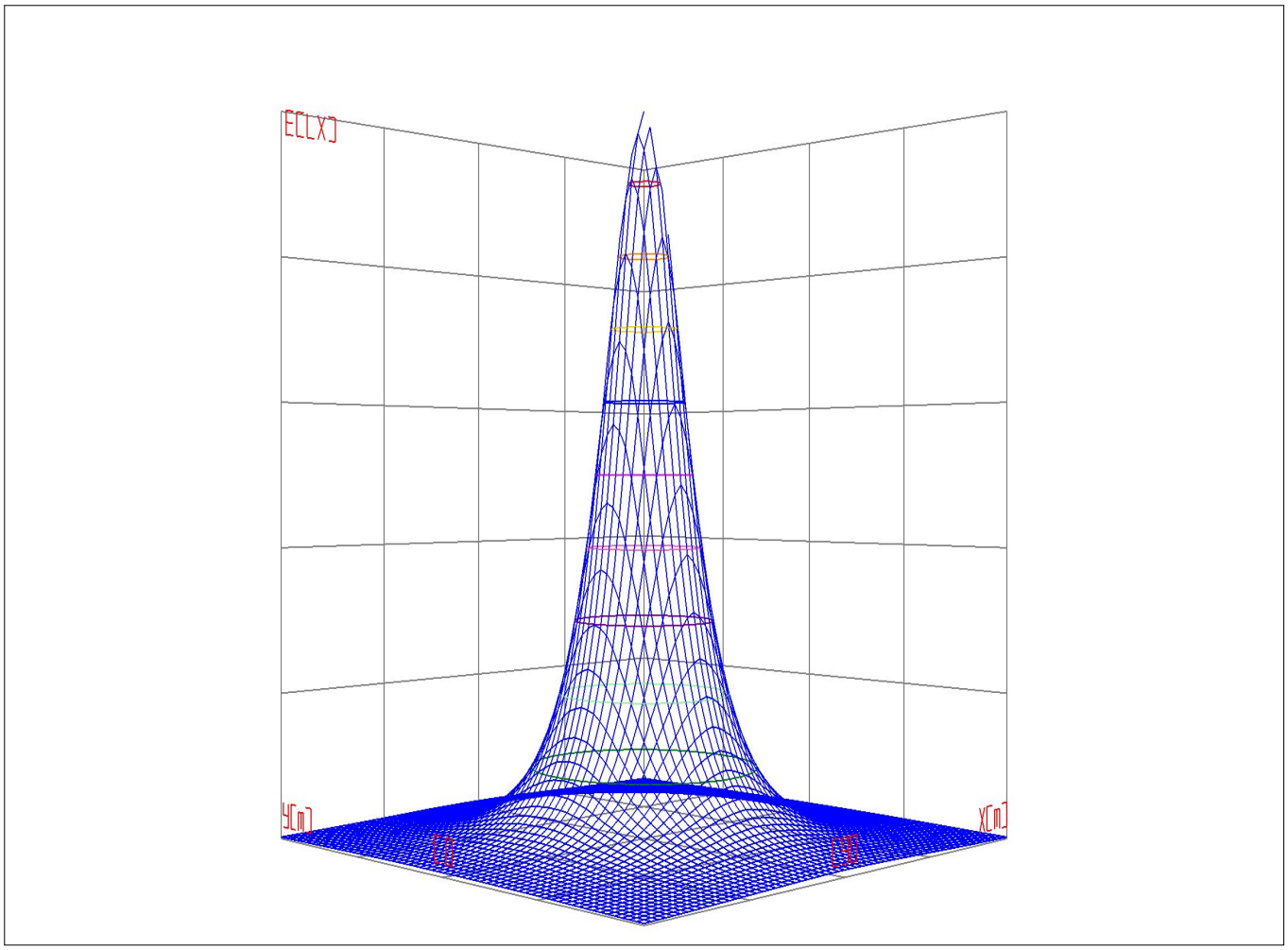
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 36.65
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365193.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

3D Plane Illuminance Modal



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

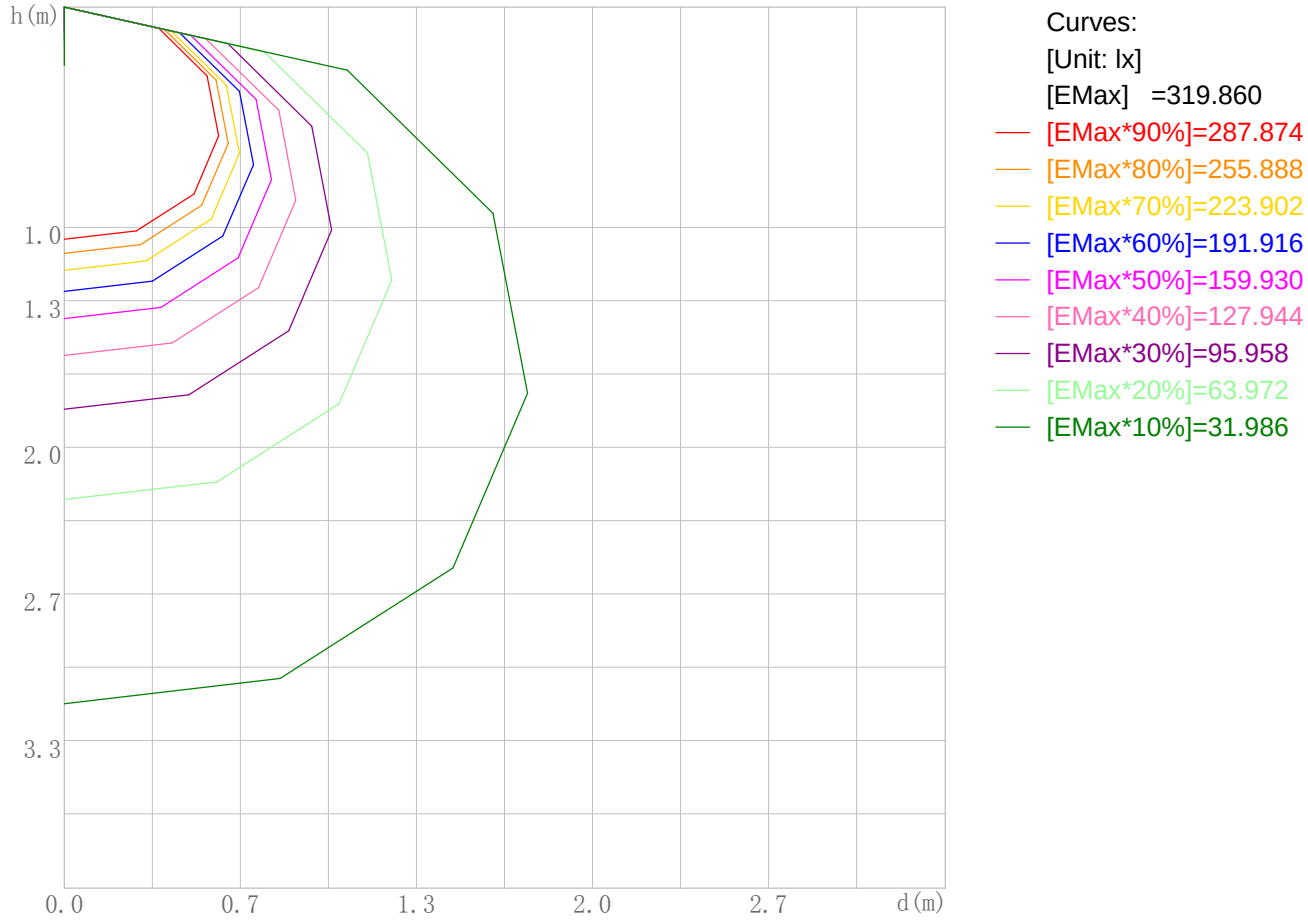
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365193.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Space ISO Illuminance Curve



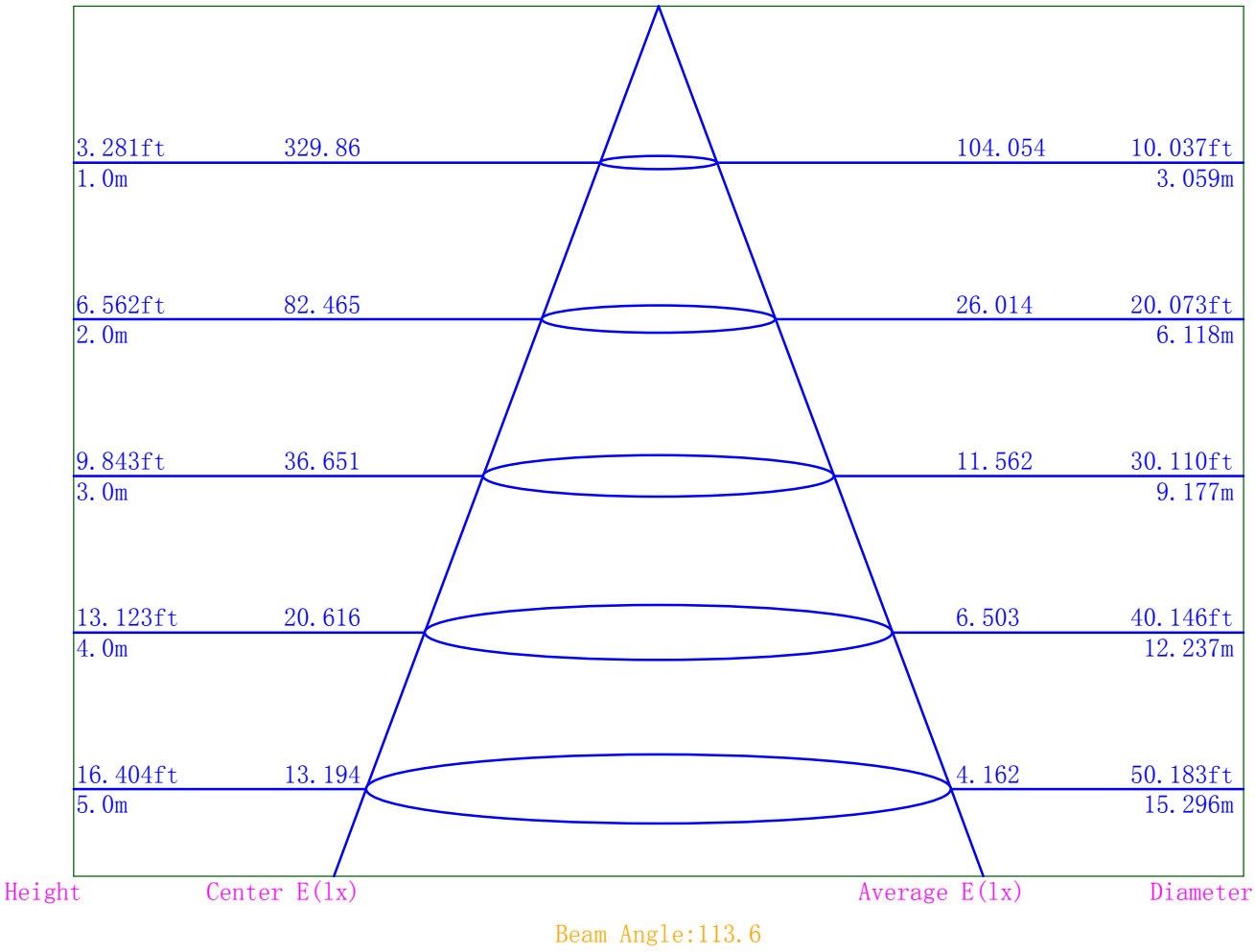
Space Plane Maximum Illuminance and @Angle:319.86lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:329.862cd,0eg

IES Flood Report
Photometric Filename: HCP-3365193.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365193	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Illuminance-Distance Curve



Beam Angle:113.6

IES Flood Report
Photometric Filename: HCP-3365193.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	1.83	12.34	24.81	33.24	39.20	42.61	43.16	40.58	36.88	32.10	25.80	17.67
B-75.0	1.83	22.08	50.98	80.29	101.01	118.36	120.26	115.71	97.43	78.63	52.52	27.65
B-60.0	1.83	35.43	85.34	124.59	148.67	168.02	173.84	168.74	150.08	124.68	86.78	42.25
B-45.0	1.83	47.65	108.09	161.94	201.20	229.50	236.41	227.30	200.02	163.84	111.29	55.87
B-30.0	1.83	57.79	129.39	194.84	245.19	277.80	288.50	275.92	243.98	198.41	134.31	65.41
B-15.0	1.83	63.40	142.63	216.89	271.80	310.92	322.29	309.43	270.20	219.45	148.04	68.37
B0.0	1.83	64.56	146.22	222.68	280.29	319.86	329.86	319.23	277.85	224.47	151.98	70.48
B15.0	1.83	62.56	143.29	217.23	274.55	312.23	325.98	311.17	276.78	219.48	150.47	70.39
B30.0	1.83	56.32	129.35	194.57	246.43	278.45	292.36	276.83	252.04	198.77	136.51	64.22
B45.0	1.83	45.64	106.57	159.13	203.42	229.21	237.57	229.33	208.74	162.68	113.49	53.48
B60.0	1.83	31.82	81.33	121.60	153.04	170.92	180.36	172.18	157.77	125.05	87.39	39.43
B75.0	1.83	17.34	46.30	73.07	101.03	114.28	122.75	113.34	102.91	77.36	53.04	25.12
B90.0	1.83	2.87	3.86	3.89	5.39	6.66	9.89	9.32	9.90	8.60	7.70	5.89

V/H	β 90.0
B-90.0	2.23
B-75.0	2.23
B-60.0	2.23
B-45.0	2.23
B-30.0	2.23
B-15.0	2.23
B0.0	2.23
B15.0	2.23
B30.0	2.23
B45.0	2.23
B60.0	2.23
B75.0	2.23
B90.0	2.23