IES Flood Report
Photometric Filename: HCP-3355143.IES

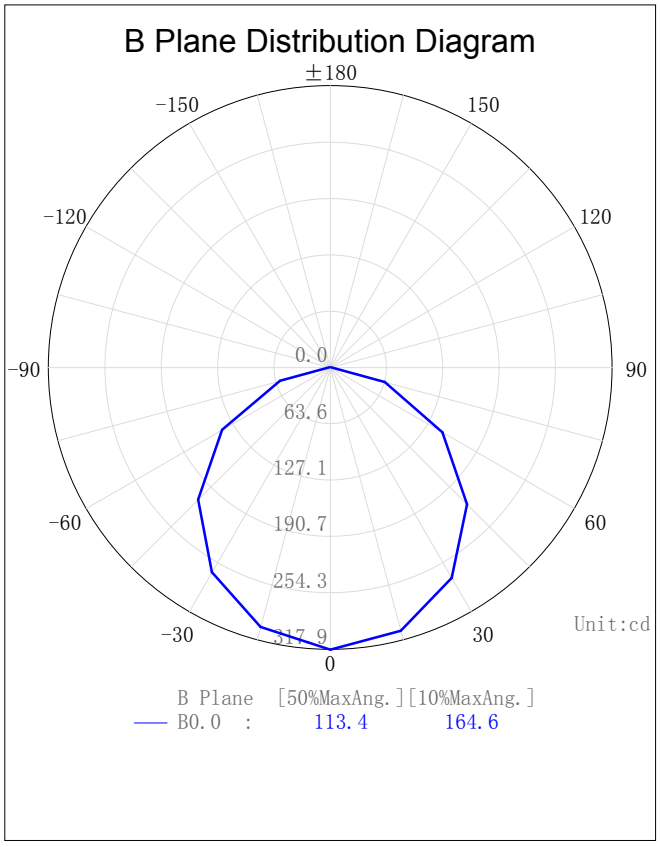
Flood Luminaire Photometric Data

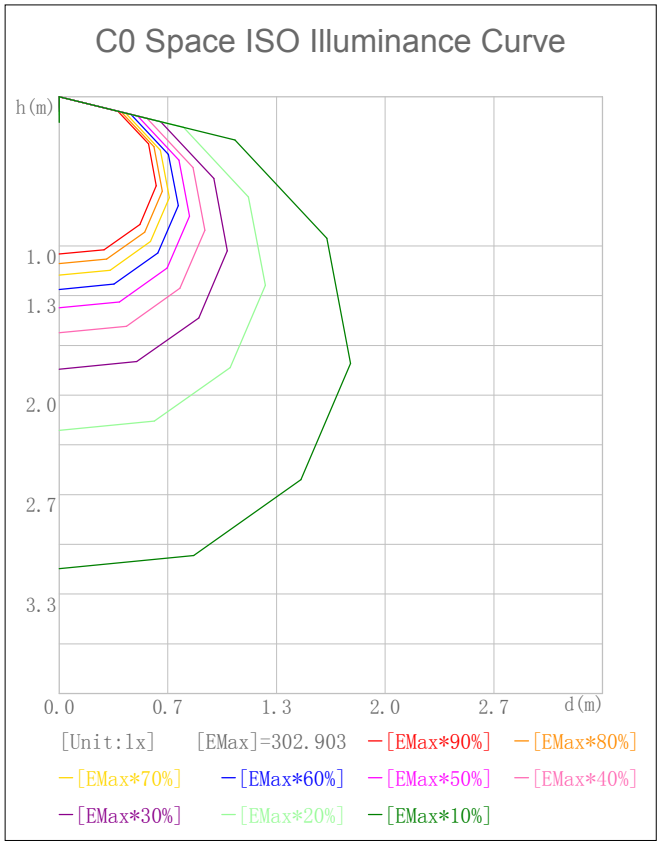
Description Information

Luminary Name: HCP-3355143		Lum. Catelog:	Test ID:
Lamp Name: 2110 3000K		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):	1008.500	Luminary Flux(lm):	967.162	Beam Lumens(lm):	707.35
Rated Power(W):		Luminary Efficiency:	95.90%	Beam Efficiency(%):	73.14
Rated Voltage(V):		Luminary EER(lm/W):	68.886	Field Lumens(lm):	950.19
Tested Power(W):	14.040	Max.Candela(cd):	317.871	Field Efficiency(%):	98.25
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	730.171lm
Tested Electrics(V,A,pf):24.0,0.585,0.000		Beam Angle(50%)(V,H):	121.1(°),113.4(°	IRF(%):	107.252
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	174.4(°),164.6(°)		





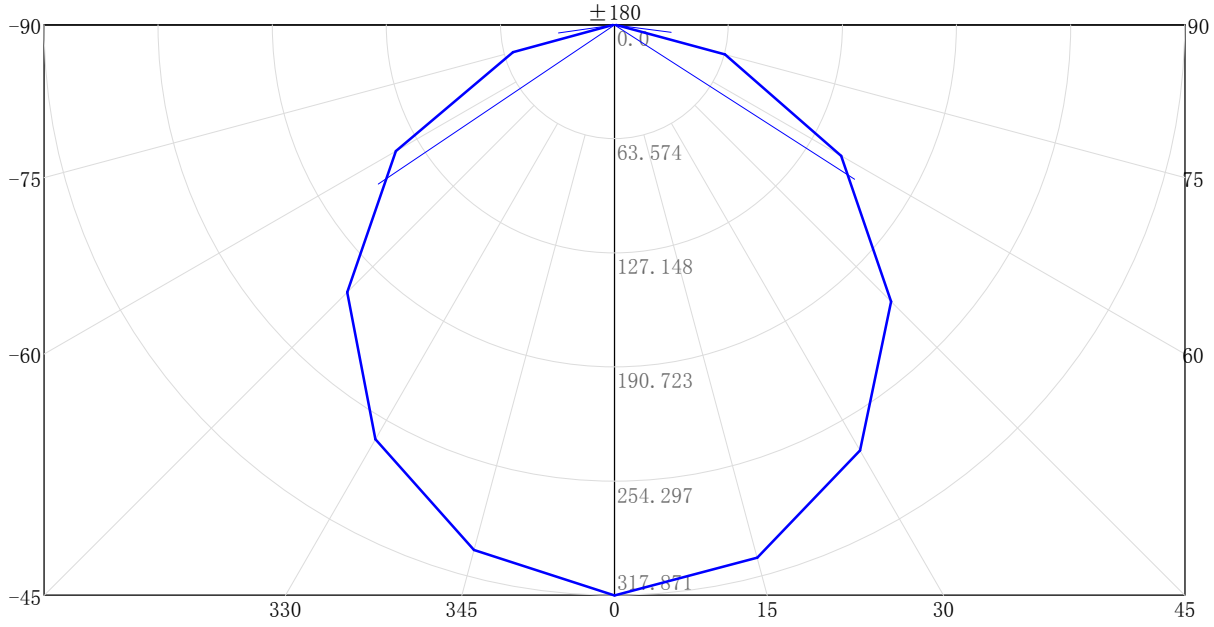
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

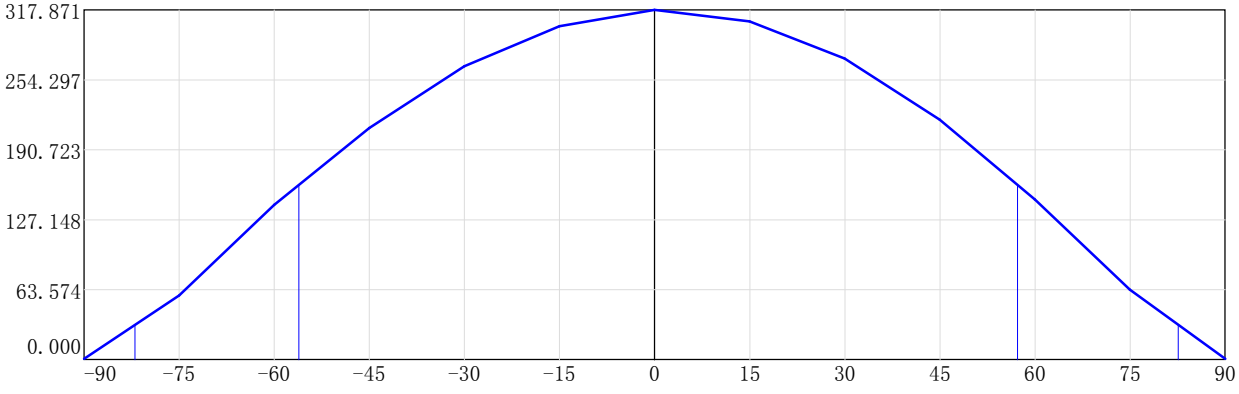
IES Flood Report
Photometric Filename: HCP-3355143.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

B Plane Distribution Diagram





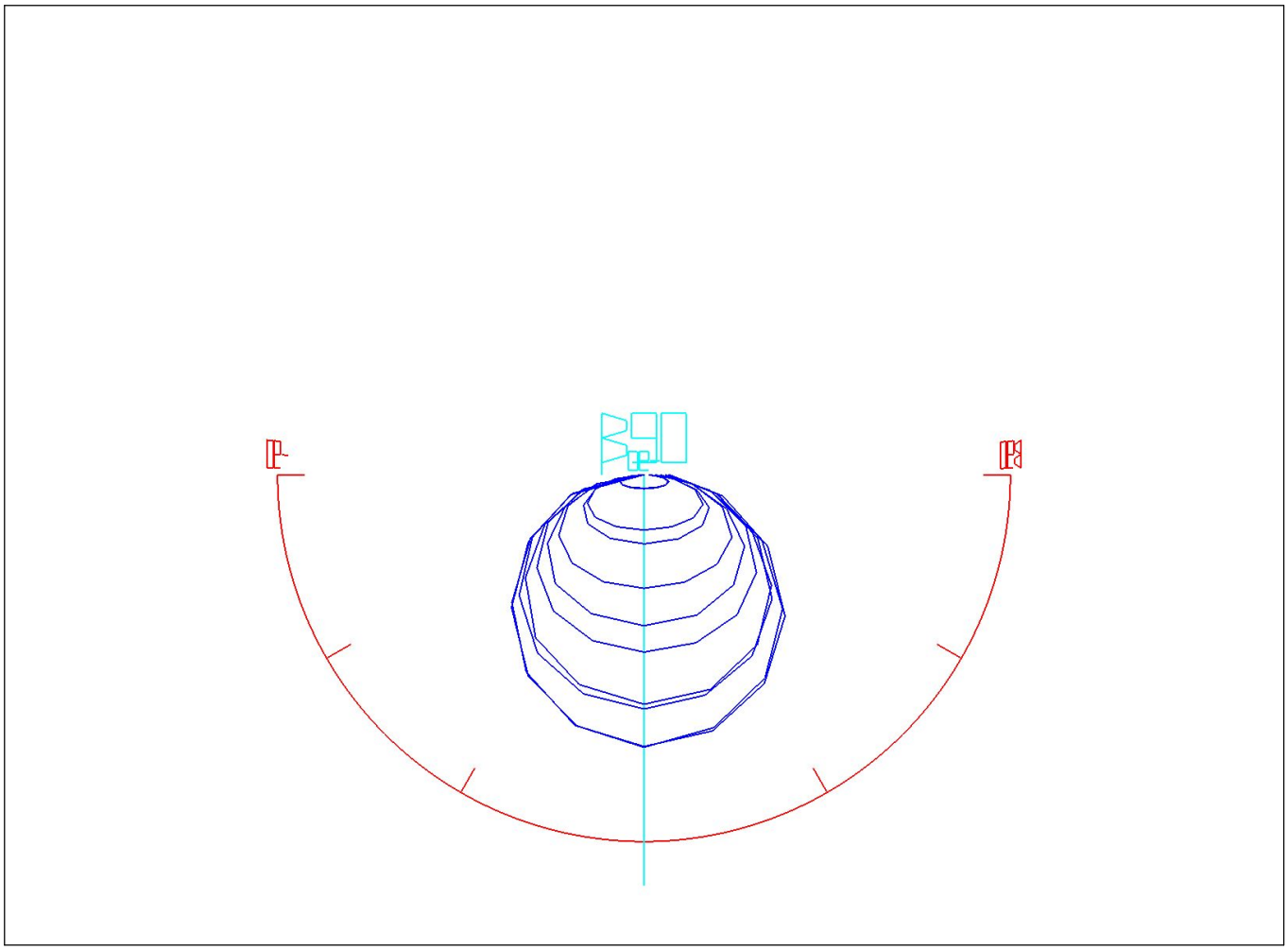
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	113.4	164.6	

IES Flood Report
Photometric Filename: HCP-3355143.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	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-3355143.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	0.31	0.94	1.75	2.53	3.00	3.03	2.61	1.84	1.00	0.35	0.04	
B-75.0	0.08	0.86	2.64	4.87	6.91	8.15	8.25	7.14	5.09	2.80	0.95	0.10	
B-60.0	0.14	1.43	4.24	7.63	10.62	12.46	12.62	10.95	7.92	4.44	1.55	0.16	
B-45.0	0.20	1.96	5.66	10.05	13.88	16.25	16.44	14.28	10.38	5.89	2.10	0.22	
B-30.0	0.24	2.35	6.67	11.79	16.29	19.05	19.24	16.71	12.16	6.93	2.49	0.26	
B-15.0	0.26	2.55	7.18	12.69	17.60	20.58	20.75	17.99	13.09	7.44	2.69	0.28	
B0.0	0.26	2.56	7.20	12.78	17.72	20.73	20.89	18.08	13.15	7.45	2.69	0.28	
B15.0	0.24	2.39	6.76	12.02	16.67	19.49	19.64	16.98	12.37	6.99	2.51	0.26	
B30.0	0.20	2.04	5.85	10.45	14.50	16.96	17.04	14.72	10.73	6.05	2.15	0.22	
B45.0	0.15	1.54	4.48	8.08	11.24	13.17	13.21	11.39	8.28	4.62	1.61	0.16	
B60.0	0.09	0.94	2.82	5.20	7.31	8.61	8.62	7.40	5.32	2.90	0.99	0.10	
B75.0	0.04	0.44	1.31	2.46	3.50	4.13	4.12	3.51	2.49	1.34	0.47	0.05	
B90.0													
Total	1.94	19.38	55.75	99.76	138.76	162.59	163.86	141.76	102.82	57.86	20.56	2.13	

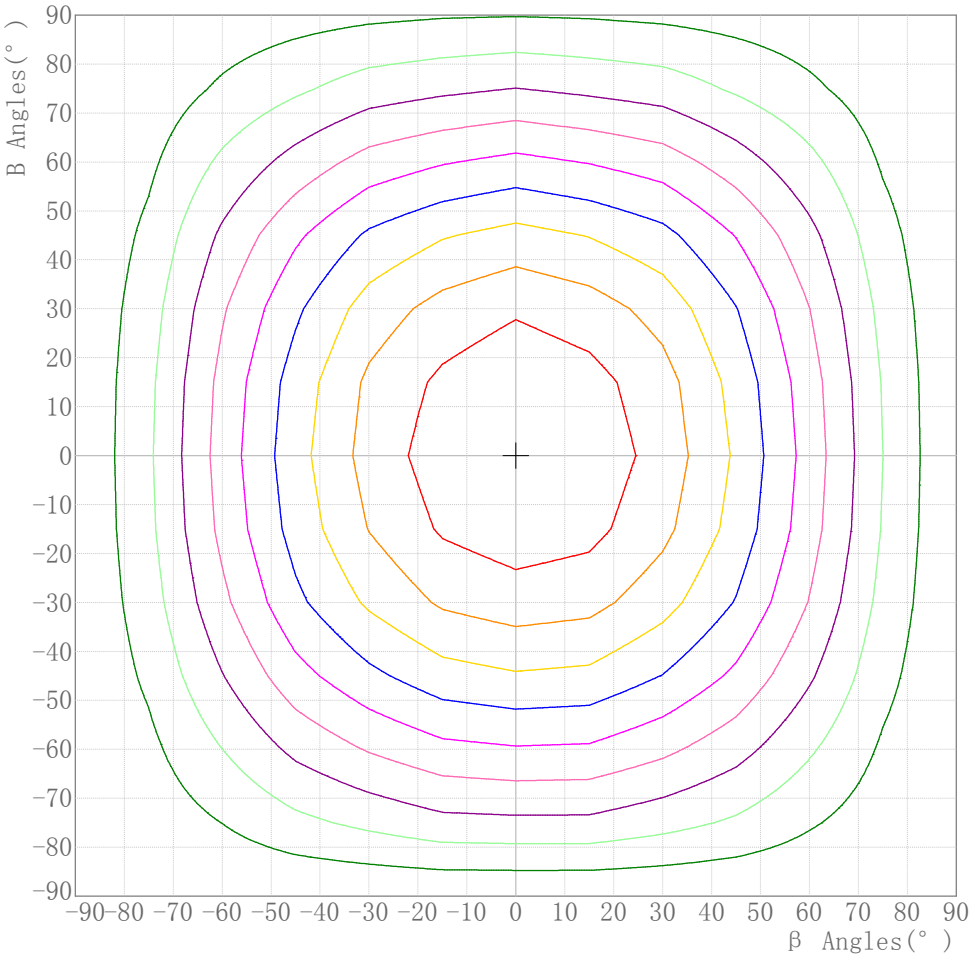
	β 90.0	Total
B-90.0		17.44
B-75.0		47.83
B-60.0		74.16
B-45.0		97.32
B-30.0		114.18
B-15.0		123.10
B0.0		123.81
B15.0		116.32
B30.0		100.92
B45.0		77.92
B60.0		50.30
B75.0		23.87
B90.0		
Total		967.16

IES Flood Report
Photometric Filename: HCP-3355143.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =317.871
[IMax*90%]=286.084
[IMax*80%]=254.297
[IMax*70%]=222.510
[IMax*60%]=190.723
[IMax*50%]=158.936
[IMax*40%]=127.148
[IMax*30%]=95.361
[IMax*20%]=63.574
[IMax*10%]=31.787

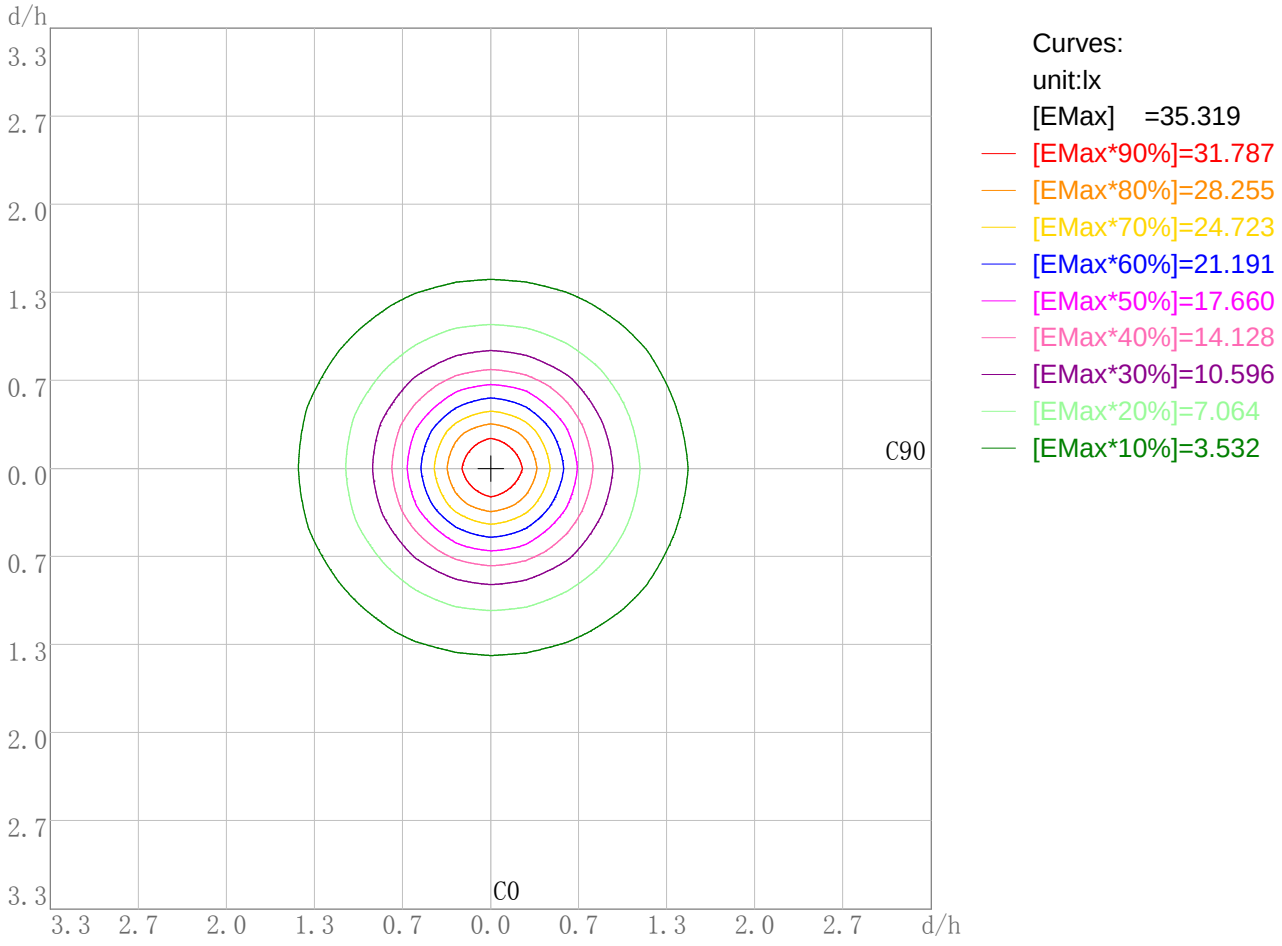
Maximum Light Intensity(cd): 317.87
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355143.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

Plane ISO-Illuminance Curve



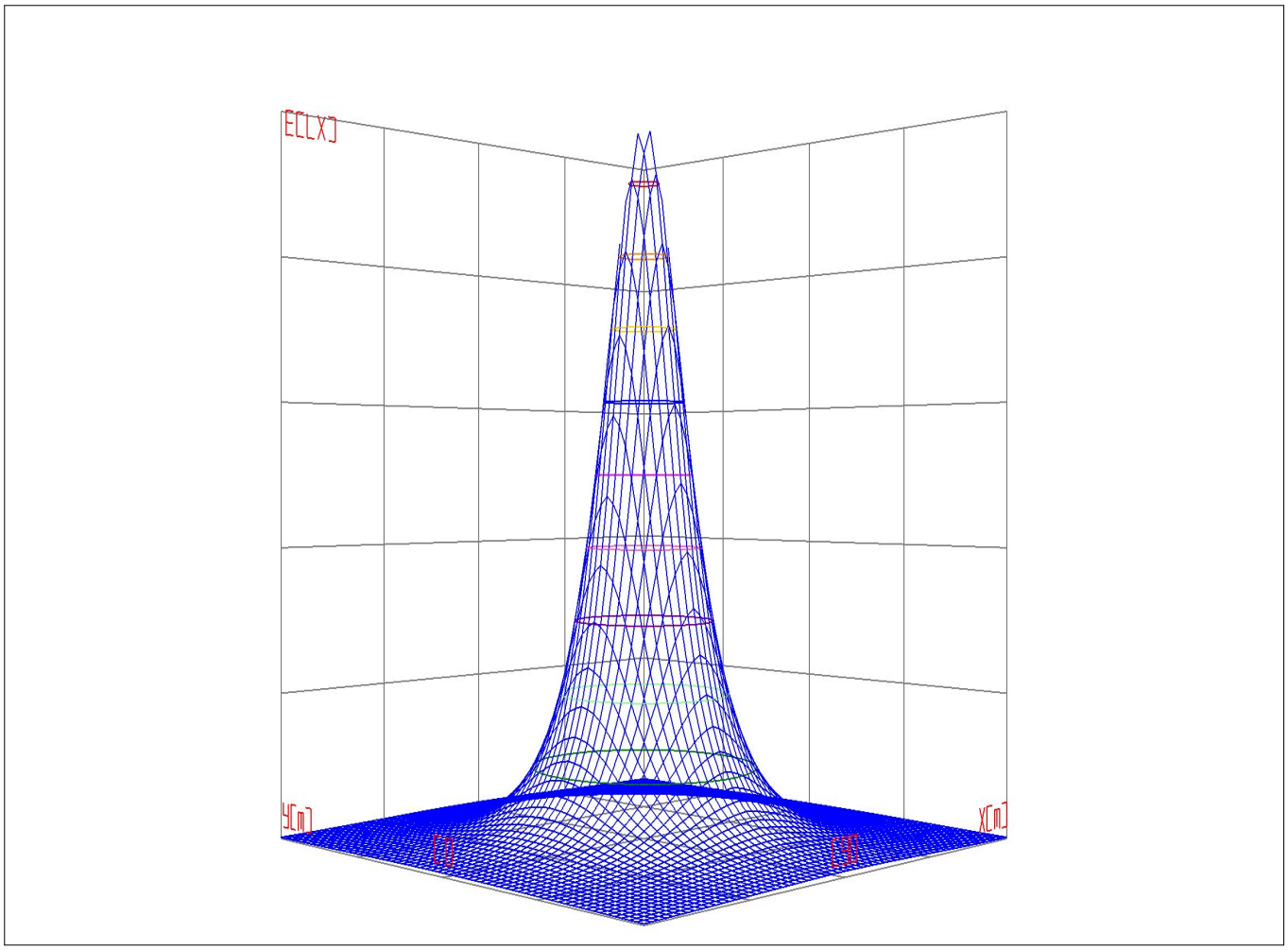
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 35.32
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355143.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	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%

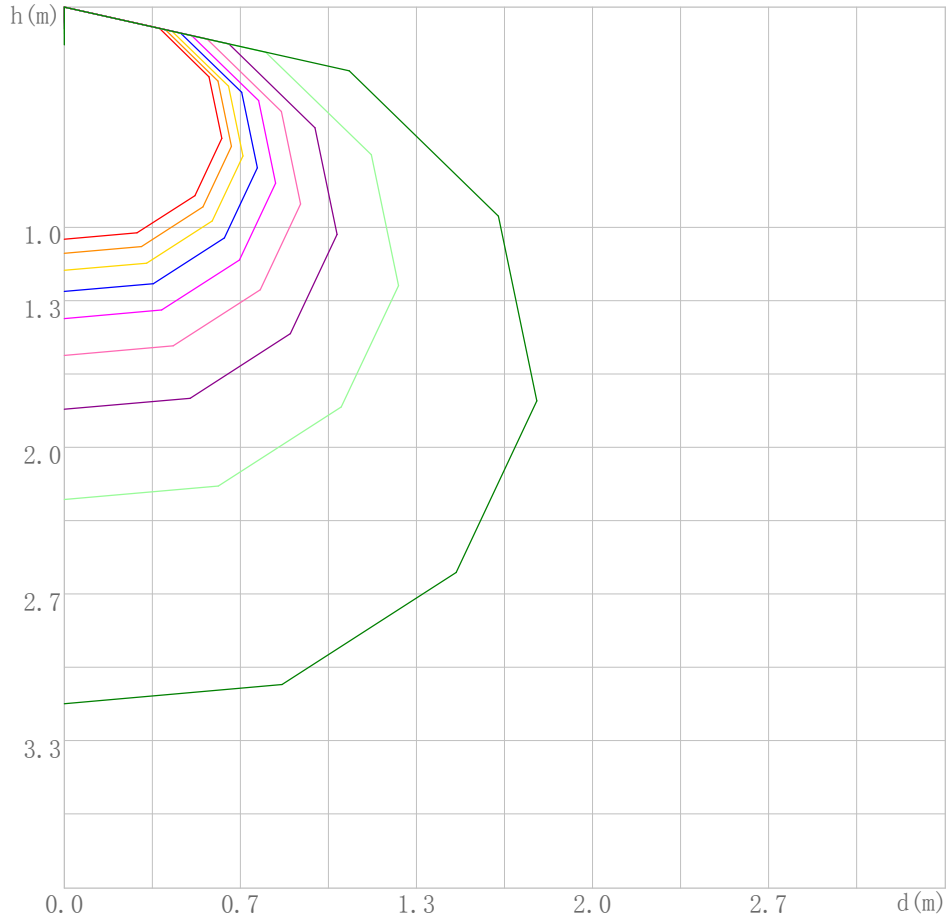
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355143.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =302.903
[EMax*90%]=272.613
[EMax*80%]=242.322
[EMax*70%]=212.032
[EMax*60%]=181.742
[EMax*50%]=151.452
[EMax*40%]=121.161
[EMax*30%]=90.871
[EMax*20%]=60.581
[EMax*10%]=30.290

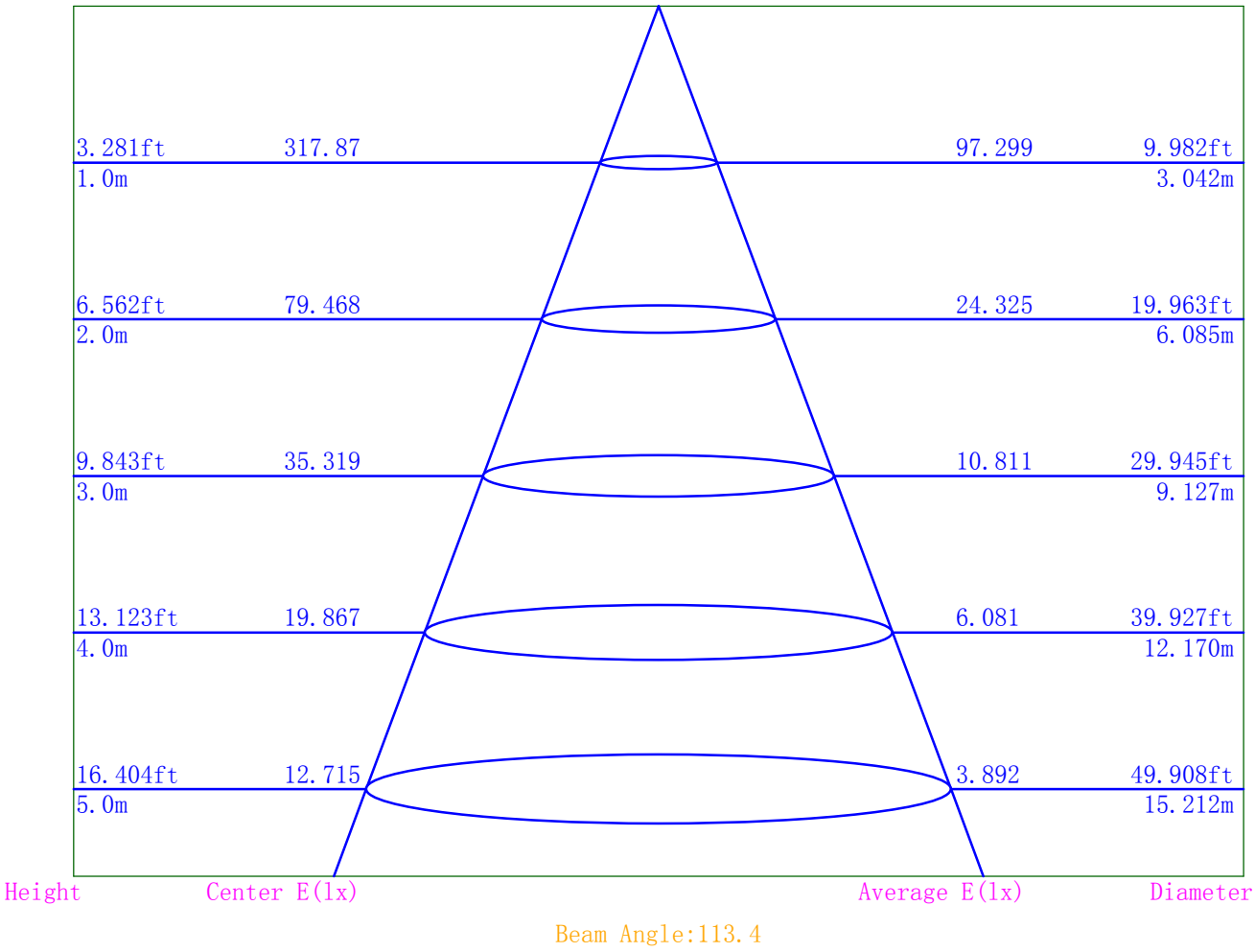
Space Plane Maximum Illuminance and @Angle:302.90lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:317.871cd,0eg

IES Flood Report
Photometric Filename: HCP-3355143.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/2

Illuminance-Distance Curve



Beam Angle:113.4

IES Flood Report
Photometric Filename: HCP-3355143.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	0.92	1.23	1.59	1.15	1.16	1.14	1.17	1.17	1.16	1.20	1.41	2.06
B-75.0	0.92	11.98	32.12	55.40	71.37	86.32	88.52	88.30	74.97	58.65	35.31	14.20
B-60.0	0.92	24.14	63.33	102.91	129.68	150.23	156.13	154.19	134.59	107.08	67.78	27.47
B-45.0	0.92	37.68	94.00	147.38	182.99	209.91	219.32	215.21	189.87	152.42	99.77	41.69
B-30.0	0.92	48.88	119.44	183.36	227.70	258.92	271.39	264.77	234.83	188.79	125.58	53.60
B-15.0	0.92	56.04	135.33	203.18	255.38	290.08	304.10	295.80	262.89	210.79	140.88	61.18
B0.0	0.92	58.52	140.65	210.68	266.62	302.90	317.87	307.31	273.80	218.02	145.83	63.69
B15.0	0.92	56.29	136.48	204.82	260.49	292.60	310.16	297.89	266.60	211.57	141.27	61.39
B30.0	0.92	49.59	123.42	185.04	236.67	265.99	281.90	269.25	242.09	191.96	127.57	54.21
B45.0	0.92	38.84	100.90	153.21	195.88	219.88	233.56	221.17	200.14	157.70	104.17	42.71
B60.0	0.92	25.60	69.60	107.18	139.55	156.48	167.60	157.31	142.82	110.40	71.65	28.39
B75.0	0.92	12.44	36.42	57.93	78.80	88.33	95.76	88.34	80.04	59.10	37.41	14.70
B90.0	0.92	5.22	12.64	19.41	25.19	29.15	30.50	28.84	25.16	19.44	13.24	6.43

V/H	β 90.0
B-90.0	0.89
B-75.0	0.89
B-60.0	0.89
B-45.0	0.89
B-30.0	0.89
B-15.0	0.89
B0.0	0.89
B15.0	0.89
B30.0	0.89
B45.0	0.89
B60.0	0.89
B75.0	0.89
B90.0	0.89