IES Flood Report
Photometric Filename: HCP-3329282.IES

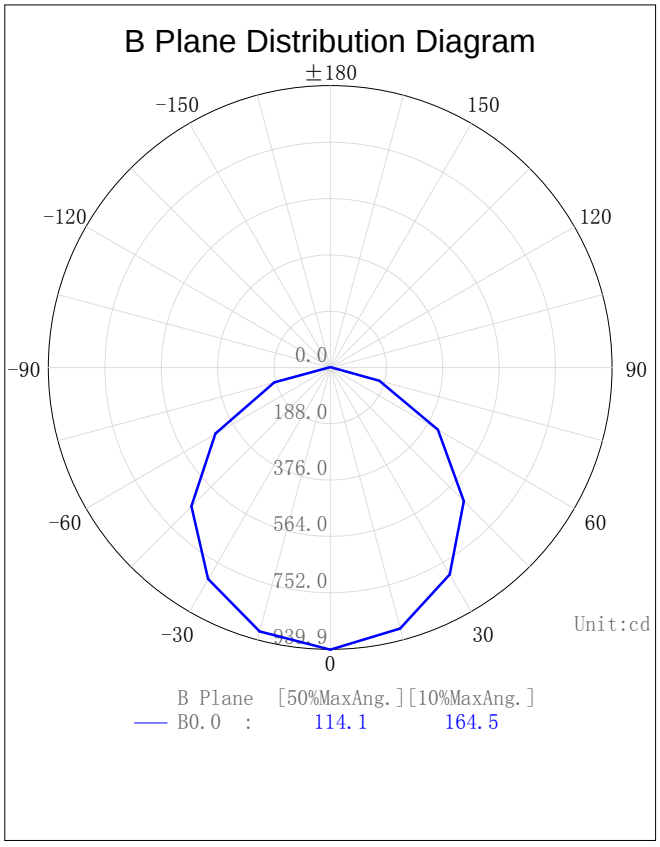
Flood Luminaire Photometric Data

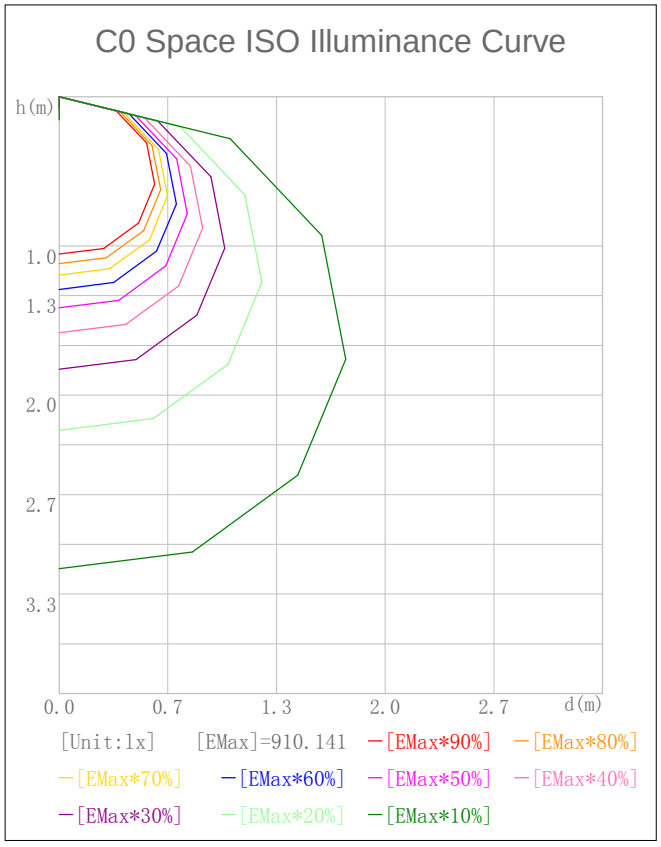
Description Information

Luminary Name: HCP-3329282		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700K		Lamp Catelog:	Test Date: 2019/05/25
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.012m*0.100m*0.010m		Lum.Area(m2):0.002	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):	3024.000	Luminary Flux(lm):	2727.675	Beam Lumens(lm):	1983.96
Rated Power(W):		Luminary Efficiency:	90.20%	Beam Efficiency(%):	72.73
Rated Voltage(V):		Luminary EER(lm/W):	90.320	Field Lumens(lm):	2667.50
Tested Power(W):	30.200	Max.Candela(cd):	939.938	Field Efficiency(%):	97.79
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	2131.761lm
Tested Electrics(V,A,pf):24.0,1.26,0.000		Beam Angle(50%)(V,H):	114.3(°),114.1(°)	IRF(%):	108.075
Lamp Size(W*L*H):0.012m*0.100m*0.010m		Field Angle(10%)(V,H):	166.0(°),164.5(°)		



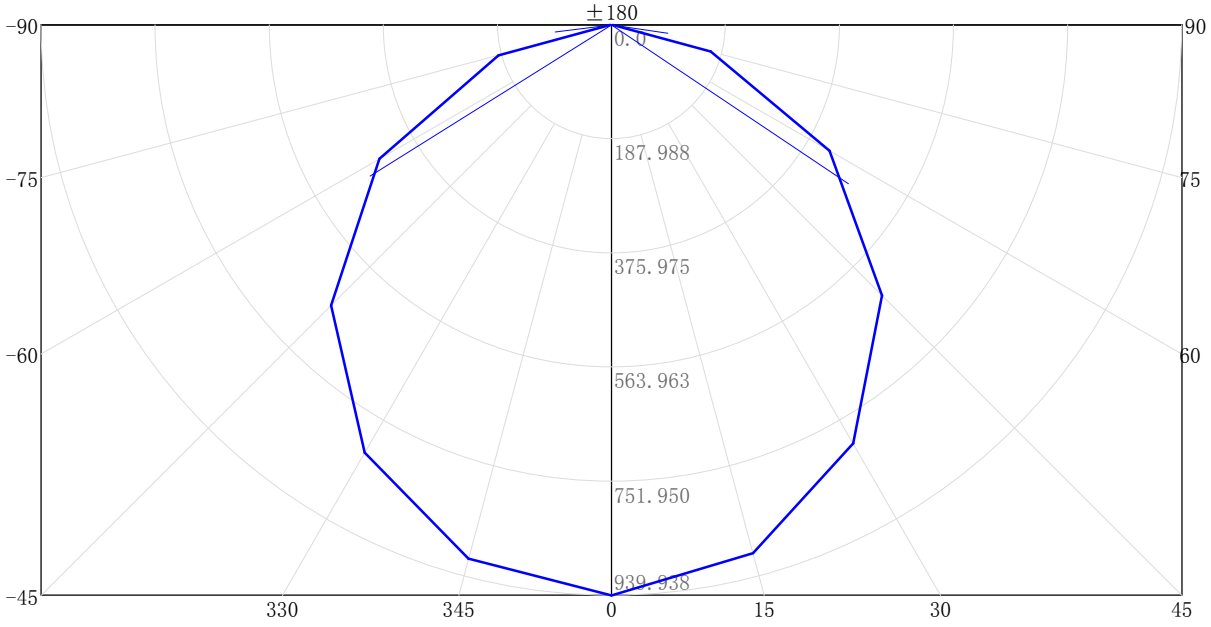


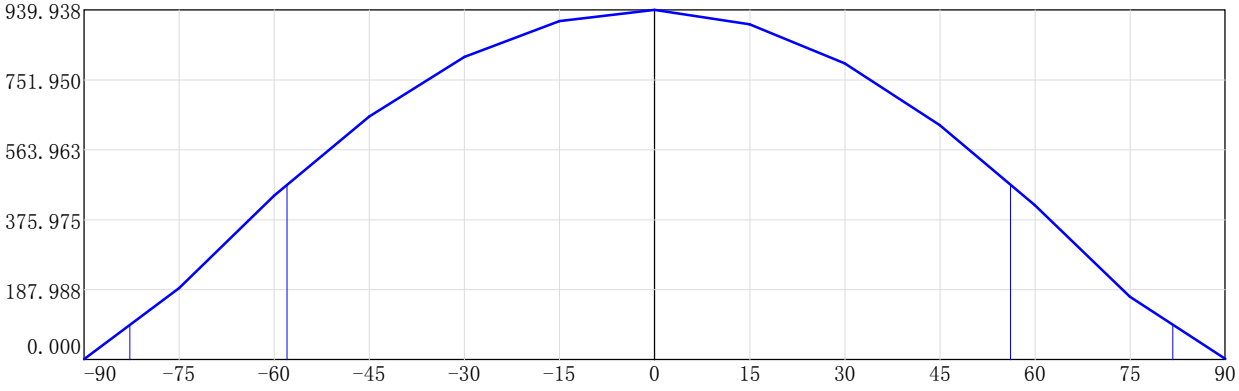
IES Flood Report
Photometric Filename: HCP-3329282.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

B Plane Distribution Diagram





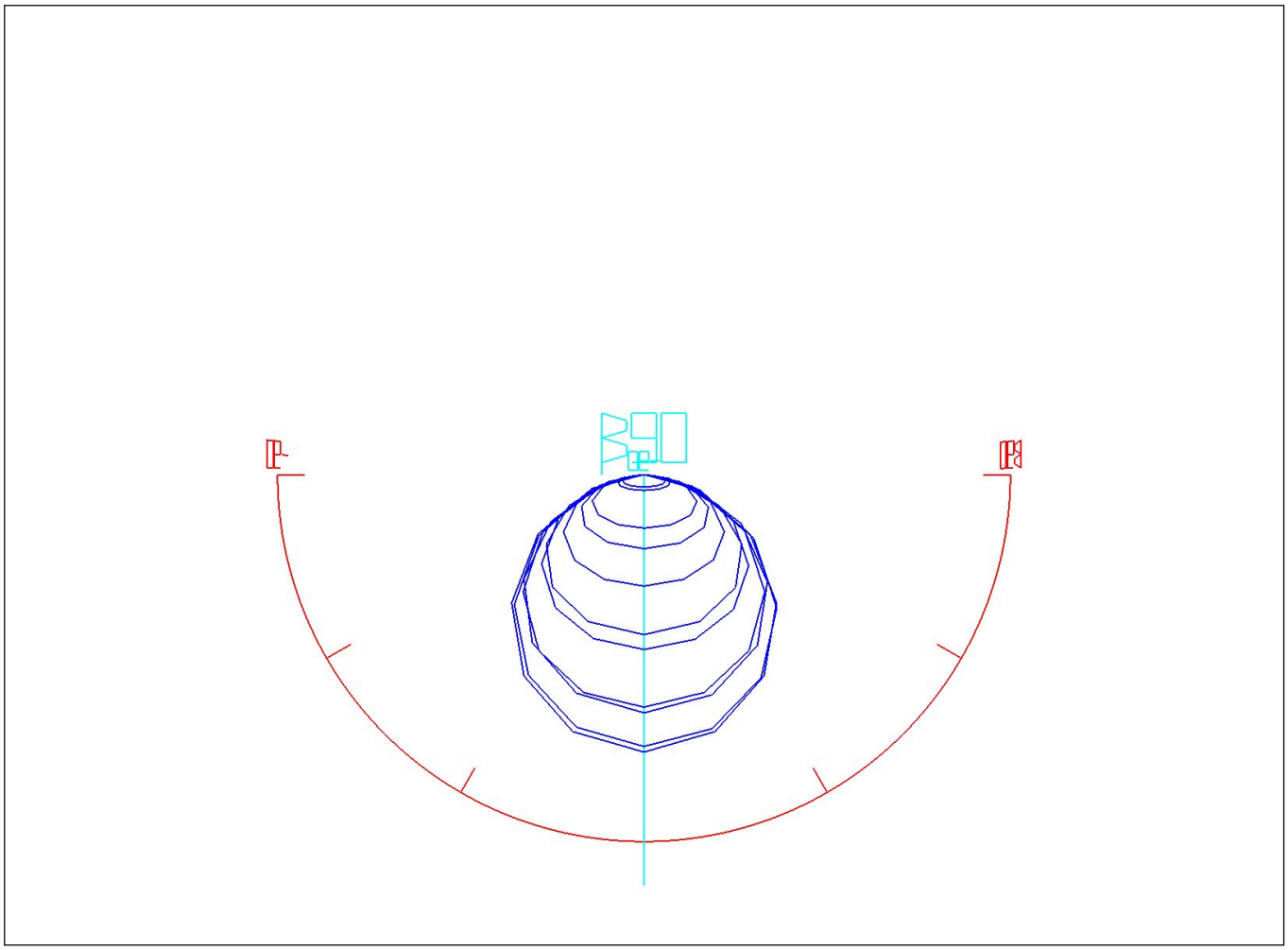
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	114.1	164.5	

IES Flood Report
Photometric Filename: HCP-3329282.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

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-3329282.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	0.09	0.78	2.23	3.98	5.61	6.54	6.59	5.73	4.07	2.25	0.80	0.10	
B-75.0	0.26	2.43	7.04	12.66	17.67	20.42	20.30	17.33	12.20	6.62	2.21	0.23	
B-60.0	0.45	4.36	12.45	22.19	30.71	35.45	35.27	30.19	21.49	11.80	3.98	0.39	
B-45.0	0.64	6.13	17.20	30.32	41.69	48.05	47.82	41.04	29.45	16.38	5.62	0.56	
B-30.0	0.78	7.43	20.59	36.07	49.44	56.95	56.68	48.69	35.07	19.65	6.84	0.68	
B-15.0	0.85	8.11	22.34	39.03	53.42	61.53	61.23	52.60	37.94	21.32	7.48	0.75	
B0.0	0.85	8.14	22.37	39.10	53.50	61.62	61.32	52.67	38.00	21.34	7.50	0.75	
B15.0	0.78	7.50	20.70	36.29	49.67	57.23	56.94	48.88	35.24	19.72	6.90	0.68	
B30.0	0.64	6.24	17.37	30.67	42.08	48.51	48.25	41.37	29.73	16.51	5.71	0.56	
B45.0	0.46	4.50	12.67	22.64	31.22	36.05	35.84	30.64	21.87	11.96	4.08	0.40	
B60.0	0.26	2.56	7.25	13.13	18.21	21.06	20.90	17.79	12.59	6.76	2.29	0.23	
B75.0	0.09	0.84	2.35	4.33	6.00	6.83	6.74	5.73	4.01	2.11	0.73	0.08	
B90.0													
Total	6.15	59.00	164.56	290.42	399.20	460.24	457.87	392.65	281.65	156.42	54.13	5.40	

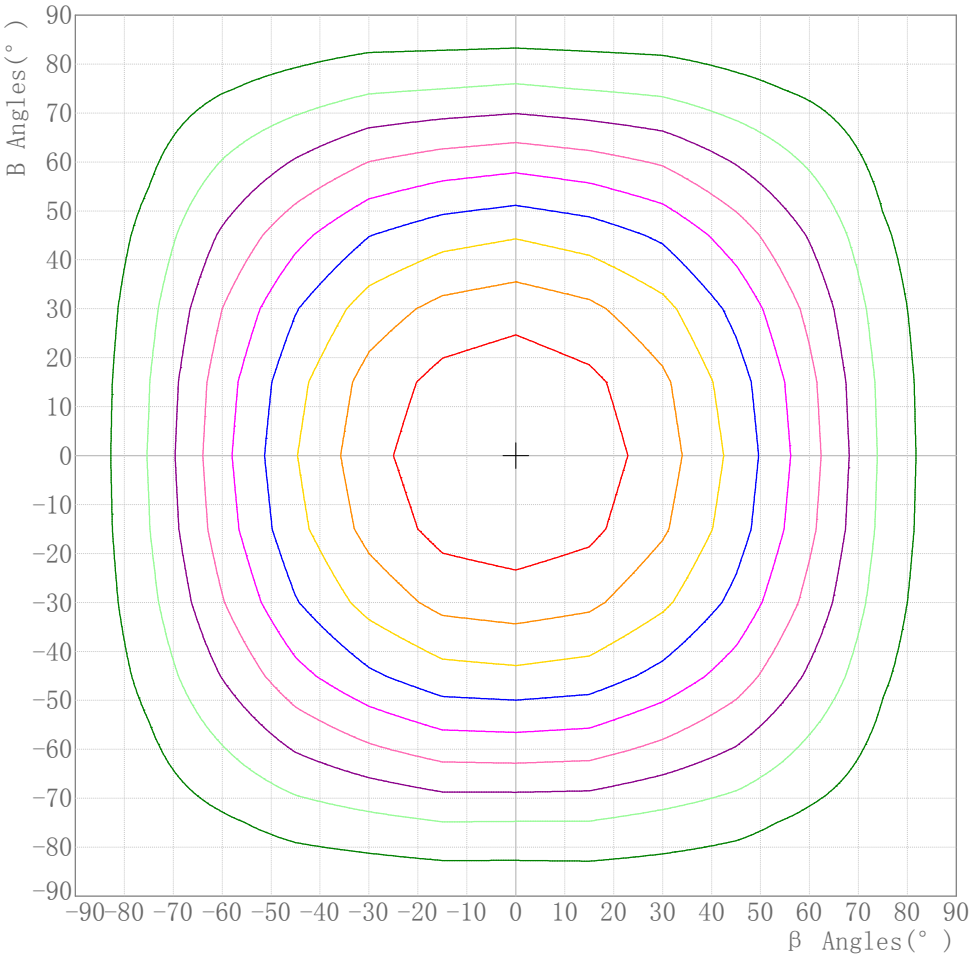
	β 90.0	Total
B-90.0		38.76
B-75.0		119.35
B-60.0		208.73
B-45.0		284.91
B-30.0		338.86
B-15.0		366.59
B0.0		367.14
B15.0		340.51
B30.0		287.64
B45.0		212.33
B60.0		123.04
B75.0		39.82
B90.0		
Total		2727.68

IES Flood Report
Photometric Filename: HCP-3329282.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =939.938
[IMax*90%]=845.944
[IMax*80%]=751.950
[IMax*70%]=657.957
[IMax*60%]=563.963
[IMax*50%]=469.969
[IMax*40%]=375.975
[IMax*30%]=281.981
[IMax*20%]=187.988
[IMax*10%]=93.994

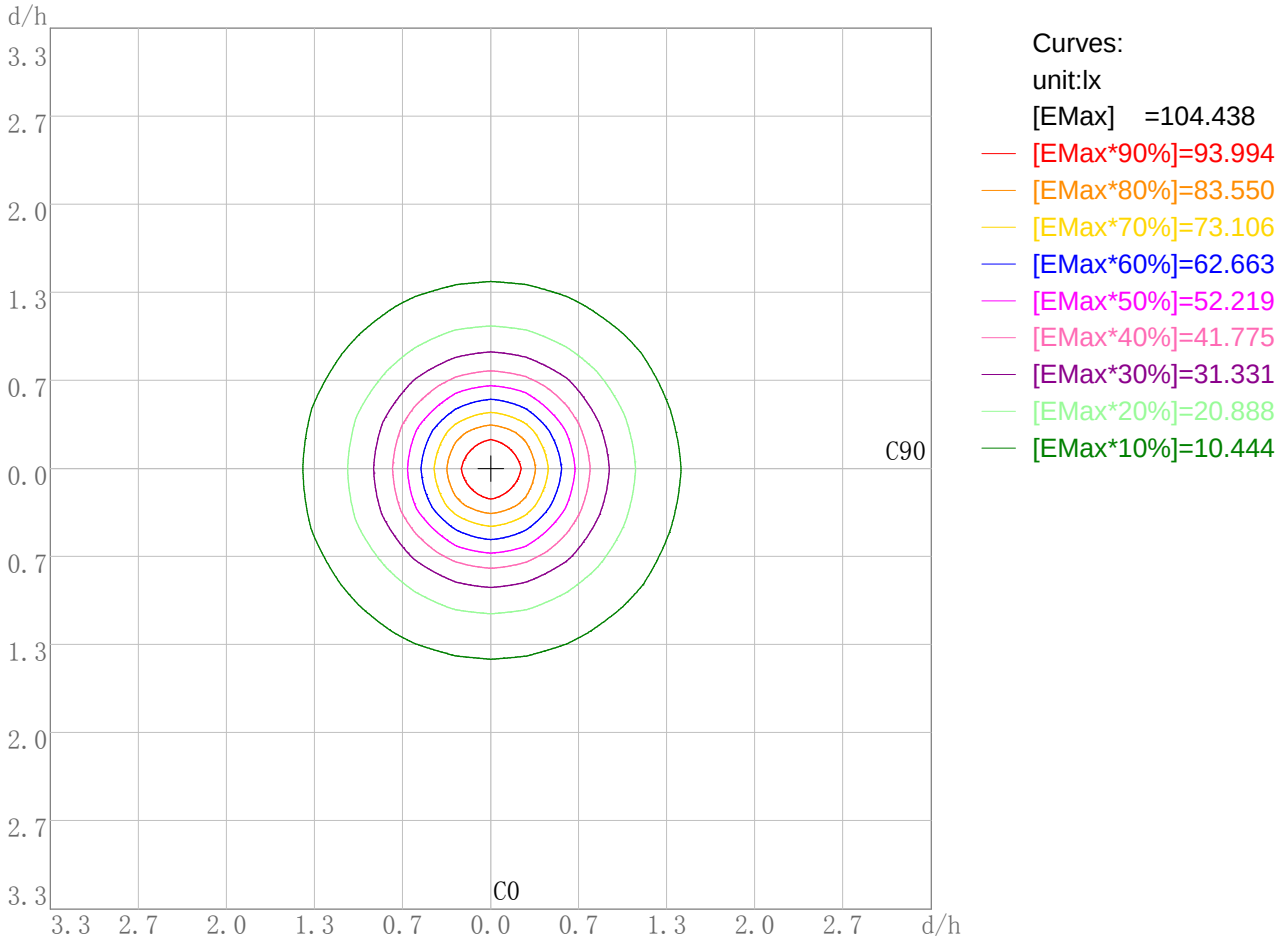
Maximum Light Intensity(cd): 939.94
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3329282.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

Plane ISO-Illuminance Curve



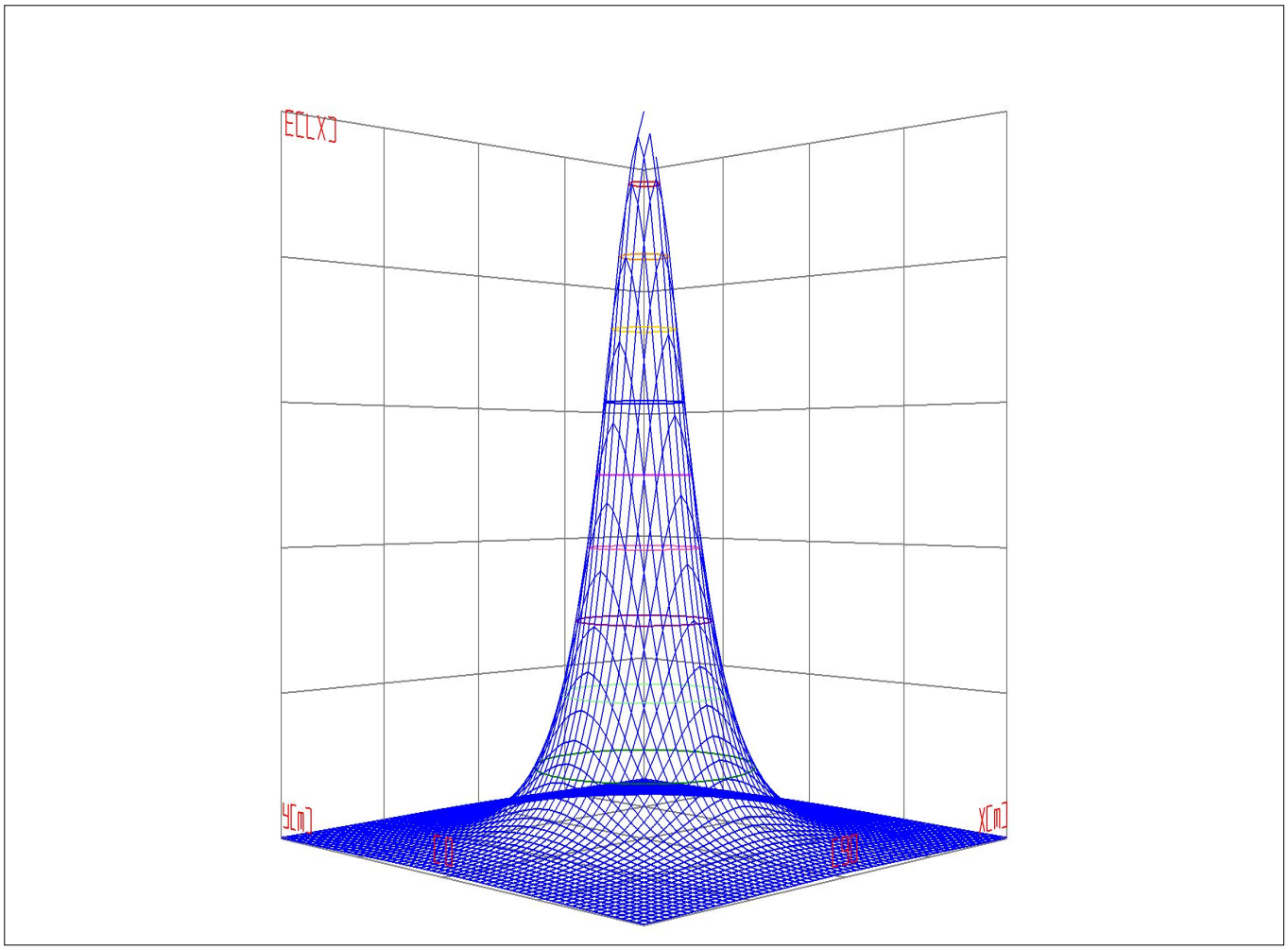
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 104.44
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3329282.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

3D Plane Illuminance Modal



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

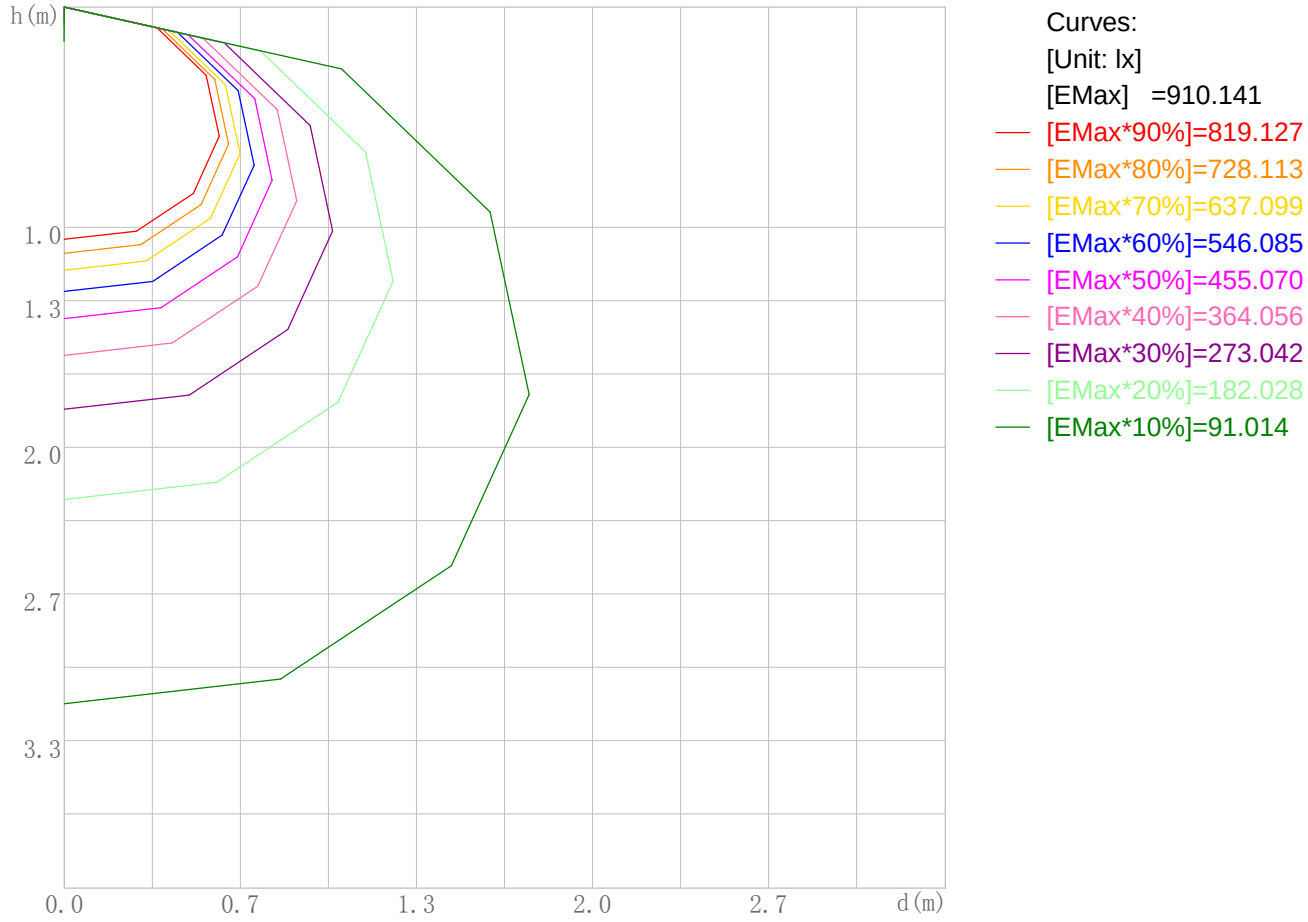
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3329282.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

Space ISO Illuminance Curve



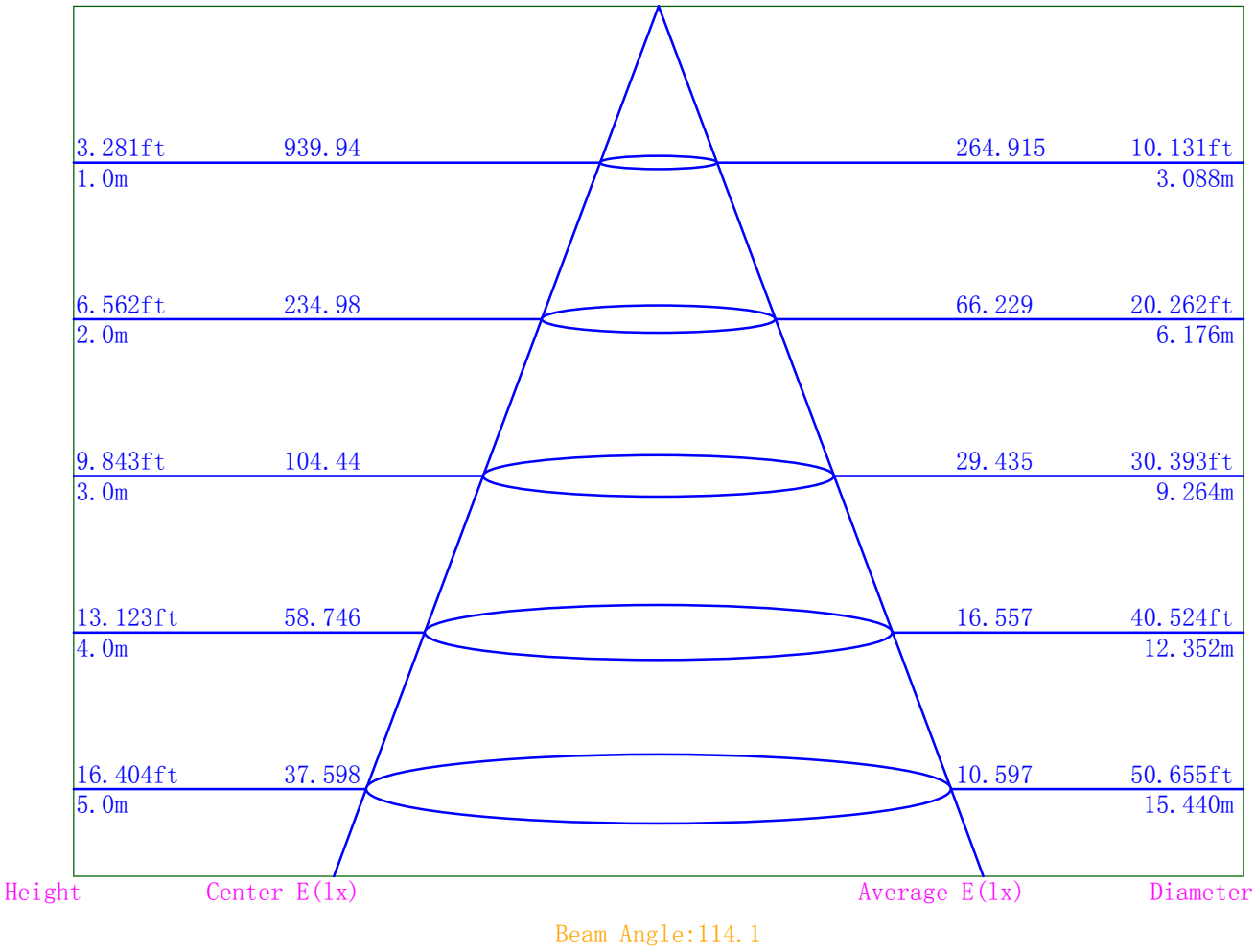
Space Plane Maximum Illuminance and @Angle:910.14lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:939.938cd,0eg

IES Flood Report
Photometric Filename: HCP-3329282.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3329282	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

Illuminance-Distance Curve



Beam Angle:114.1

IES Flood Report
Photometric Filename: HCP-3329282.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	2.12	3.53	3.81	4.17	4.45	7.64	9.02	13.13	14.49	12.82	11.06	7.94
B-75.0	2.12	33.84	78.77	127.30	157.49	185.57	183.63	183.00	152.48	120.43	72.19	30.88
B-60.0	2.12	76.45	181.86	288.65	360.58	415.58	420.73	410.93	351.16	275.91	168.12	66.77
B-45.0	2.12	121.75	286.08	440.45	547.32	621.91	634.63	615.67	534.91	423.54	267.24	105.93
B-30.0	2.12	159.49	369.77	557.53	691.80	780.01	800.16	772.45	676.92	537.31	347.02	139.84
B-15.0	2.12	184.16	422.68	629.88	782.12	878.05	903.89	869.47	765.44	607.22	397.36	161.95
B0.0	2.12	192.66	441.31	653.71	813.72	910.14	939.94	901.15	796.14	630.08	414.94	169.45
B15.0	2.12	184.51	425.88	630.06	787.26	877.86	909.52	869.02	770.09	606.88	400.12	162.13
B30.0	2.12	160.28	375.86	558.11	701.48	780.03	810.89	771.78	685.67	536.76	352.18	140.12
B45.0	2.12	123.06	295.04	441.44	561.58	622.50	650.29	615.36	547.81	423.34	274.61	106.29
B60.0	2.12	78.37	191.49	290.11	377.01	416.82	438.79	411.35	366.44	276.16	176.01	66.78
B75.0	2.12	35.24	86.73	128.83	172.94	187.00	200.57	183.36	165.89	120.08	77.54	30.16
B90.0	2.12	1.72	4.47	5.71	11.76	8.26	7.16	6.71	6.88	2.81	1.98	1.71

V/H	β 90.0
B-90.0	2.17
B-75.0	2.17
B-60.0	2.17
B-45.0	2.17
B-30.0	2.17
B-15.0	2.17
B0.0	2.17
B15.0	2.17
B30.0	2.17
B45.0	2.17
B60.0	2.17
B75.0	2.17
B90.0	2.17