IES Flood Report
Photometric Filename: HCP-3328243.IES

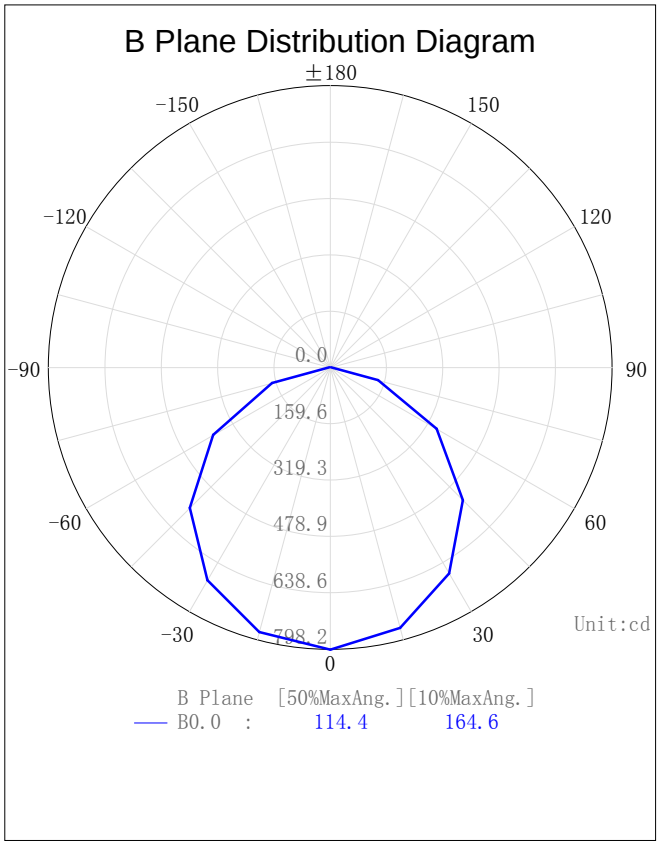
Flood Luminaire Photometric Data

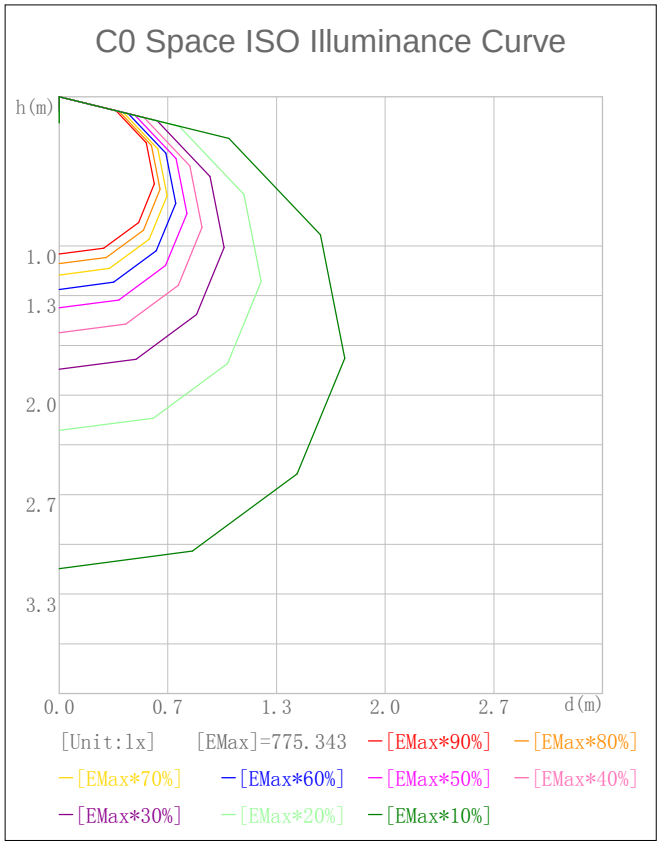
Description Information

Luminary Name: HCP-3328243		Lum. Catelog:	Test ID:
Lamp Name: 2110 3000K		Lamp Catelog:	Test Date: 2019/05/21
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.010m*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):	2577.000	Luminary Flux(lm):	2327.587	Beam Lumens(lm):	1688.90
Rated Power(W):		Luminary Efficiency:	90.32%	Beam Efficiency(%):	72.56
Rated Voltage(V):		Luminary EER(lm/W):	94.234	Field Lumens(lm):	2277.58
Tested Power(W):	24.700	Max.Candela(cd):	798.226	Field Efficiency(%):	97.85
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	1811.249lm
Tested Electrics(V,A,pf):24.0,1.03,0.000		Beam Angle(50%)(V,H):	114.4(°),114.4(°)	IRF(%):	108.686
Lamp Size(W*L*H):0.010m*0.100m*0.010m		Field Angle(10%)(V,H):	167.4(°),164.6(°)		



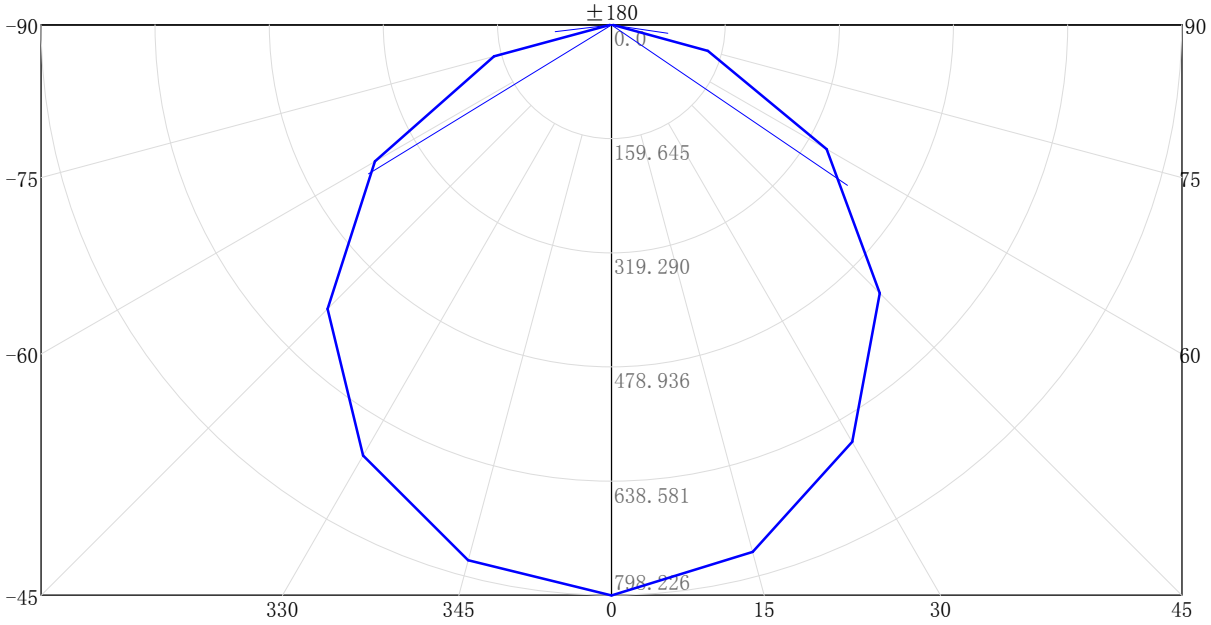


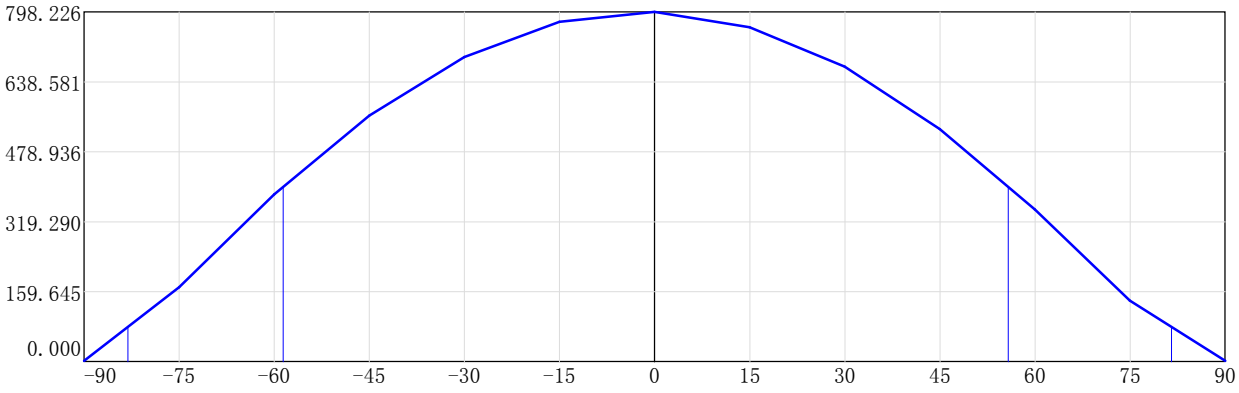
IES Flood Report
Photometric Filename: HCP-3328243.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

B Plane Distribution Diagram





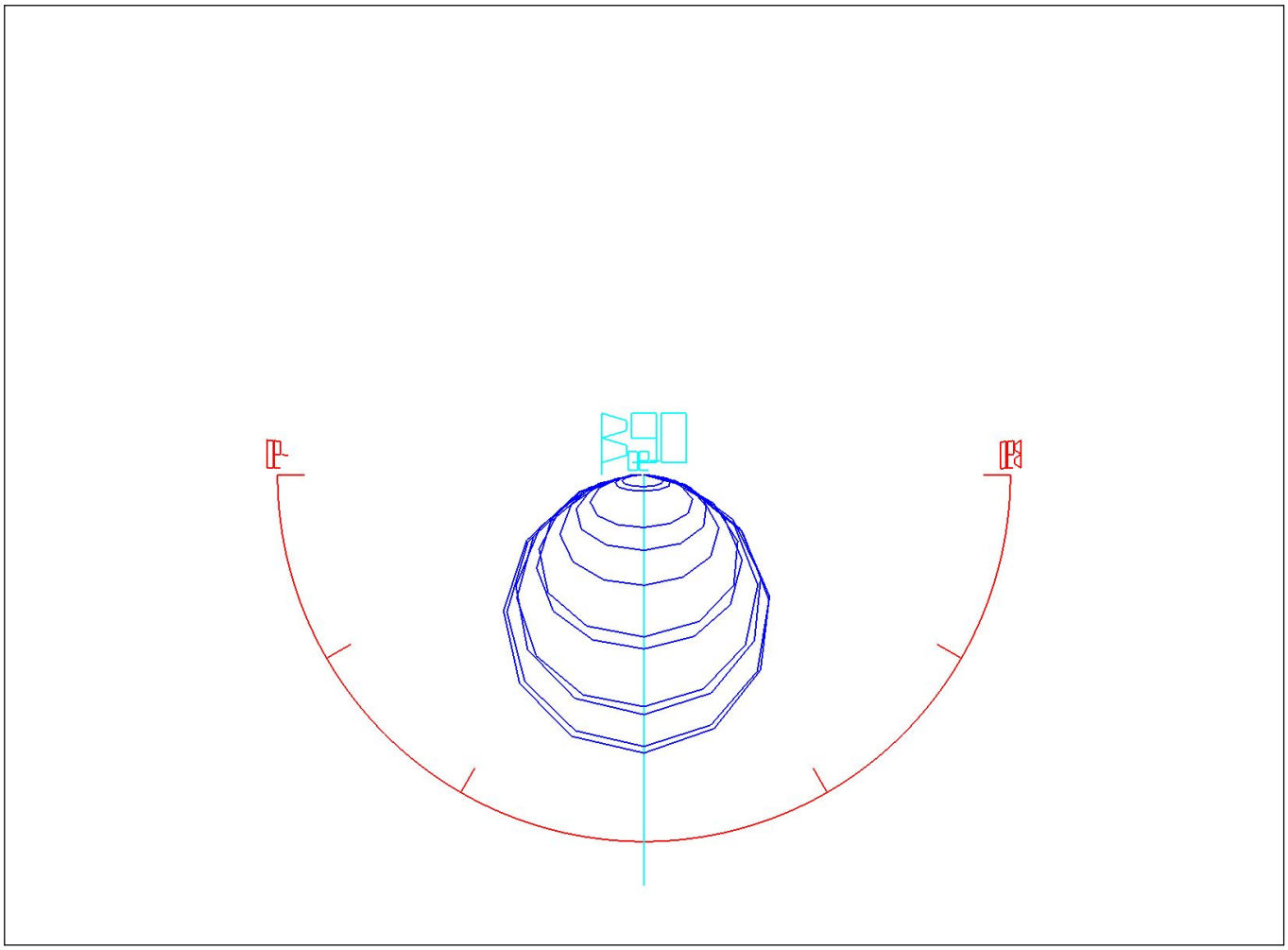
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	114.4	164.6	

IES Flood Report
Photometric Filename: HCP-3328243.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

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-3328243.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	0.11	0.95	2.72	4.89	6.83	7.84	7.79	6.72	4.73	2.58	0.91	0.11	
B-75.0	0.27	2.47	7.00	12.46	17.28	19.93	19.75	16.80	11.80	6.39	2.13	0.22	
B-60.0	0.44	4.13	11.57	20.44	28.15	32.41	32.16	27.47	19.51	10.68	3.59	0.36	
B-45.0	0.59	5.59	15.46	27.06	37.05	42.60	42.29	36.22	25.93	14.37	4.91	0.49	
B-30.0	0.71	6.62	18.13	31.57	43.10	49.51	49.15	42.13	30.27	16.90	5.85	0.58	
B-15.0	0.76	7.12	19.38	33.66	45.88	52.69	52.29	44.83	32.26	18.05	6.29	0.63	
B0.0	0.75	7.04	19.16	33.28	45.33	52.04	51.63	44.25	31.84	17.80	6.20	0.61	
B15.0	0.68	6.40	17.47	30.42	41.46	47.58	47.18	40.39	29.01	16.14	5.58	0.55	
B30.0	0.55	5.25	14.40	25.22	34.42	39.51	39.13	33.43	23.91	13.16	4.49	0.44	
B45.0	0.39	3.72	10.25	18.09	24.76	28.42	28.08	23.88	16.92	9.15	3.07	0.30	
B60.0	0.23	2.08	5.68	10.06	13.76	15.74	15.48	13.06	9.14	4.84	1.61	0.16	
B75.0	0.08	0.66	1.74	3.06	4.14	4.70	4.59	3.85	2.68	1.41	0.48	0.06	
B90.0													
Total	5.56	52.03	142.97	250.21	342.17	392.97	389.53	333.05	237.99	131.48	45.13	4.50	

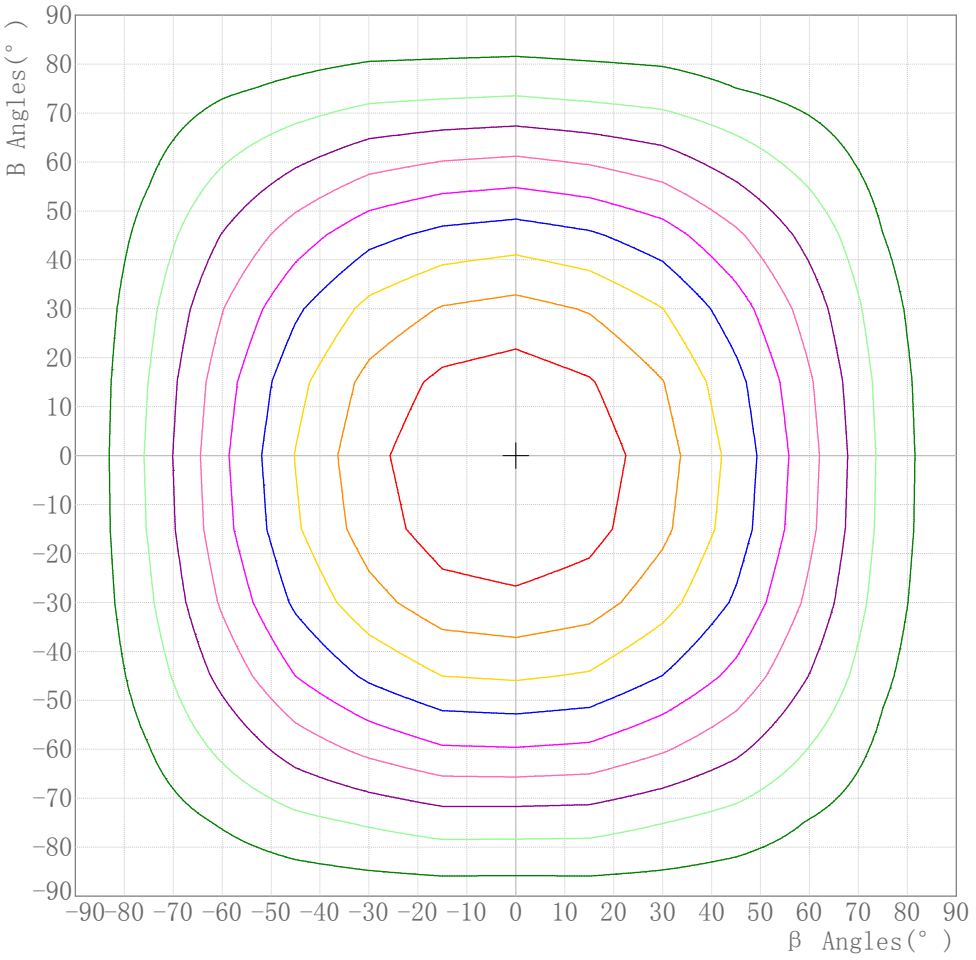
	β 90.0	Total
B-90.0		46.18
B-75.0		116.49
B-60.0		190.90
B-45.0		252.57
B-30.0		294.52
B-15.0		313.84
B0.0		309.92
B15.0		282.88
B30.0		233.91
B45.0		167.05
B60.0		91.84
B75.0		27.47
B90.0		
Total		2327.59

IES Flood Report
Photometric Filename: HCP-3328243.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =798.226
[IMax*90%]=718.403
[IMax*80%]=638.581
[IMax*70%]=558.758
[IMax*60%]=478.936
[IMax*50%]=399.113
[IMax*40%]=319.290
[IMax*30%]=239.468
[IMax*20%]=159.645
[IMax*10%]=79.823

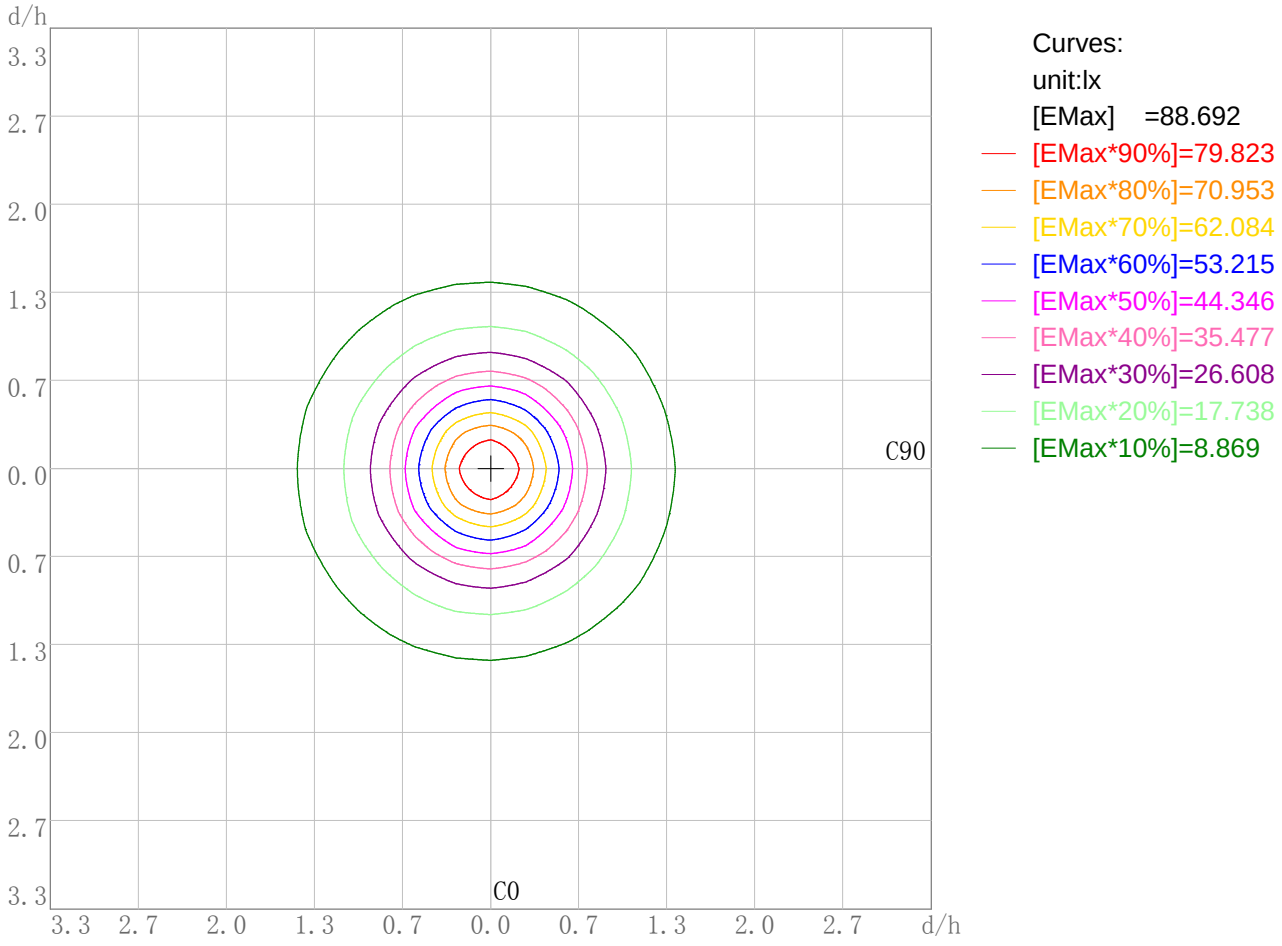
Maximum Light Intensity(cd): 798.23
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3328243.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Plane ISO-Illuminance Curve



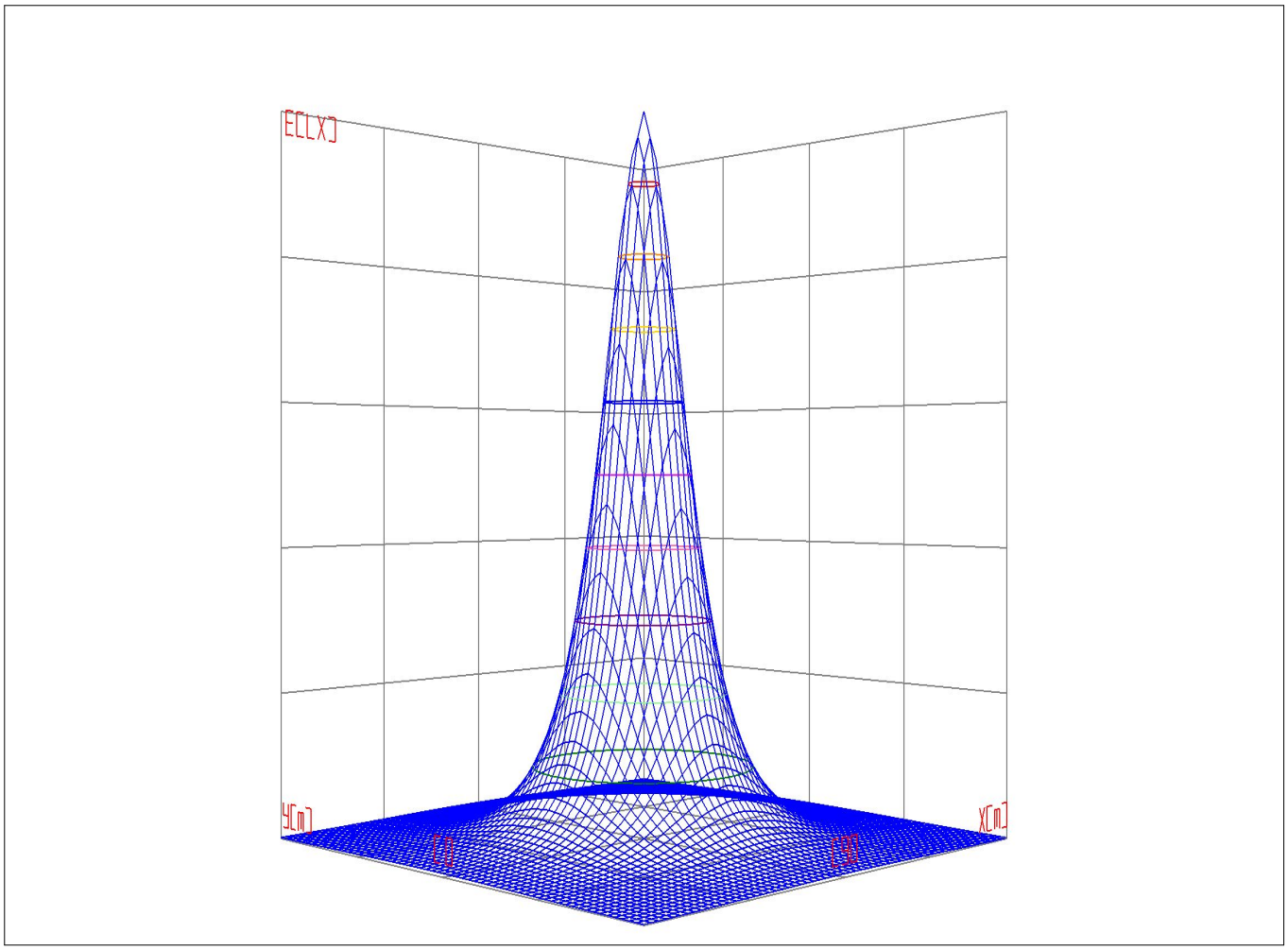
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 88.69
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3328243.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

3D Plane Illuminance Modal



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

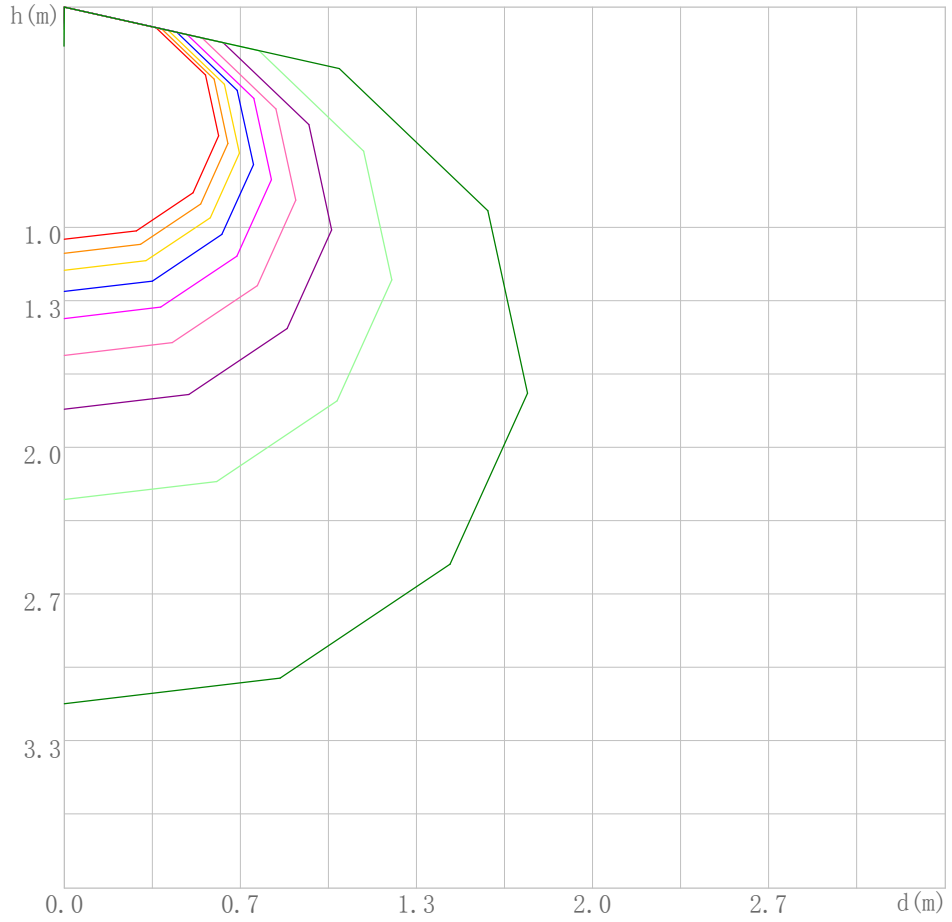
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3328243.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =775.343
[EMax*90%]=697.809
[EMax*80%]=620.274
[EMax*70%]=542.740
[EMax*60%]=465.206
[EMax*50%]=387.672
[EMax*40%]=310.137
[EMax*30%]=232.603
[EMax*20%]=155.069
[EMax*10%]=77.534

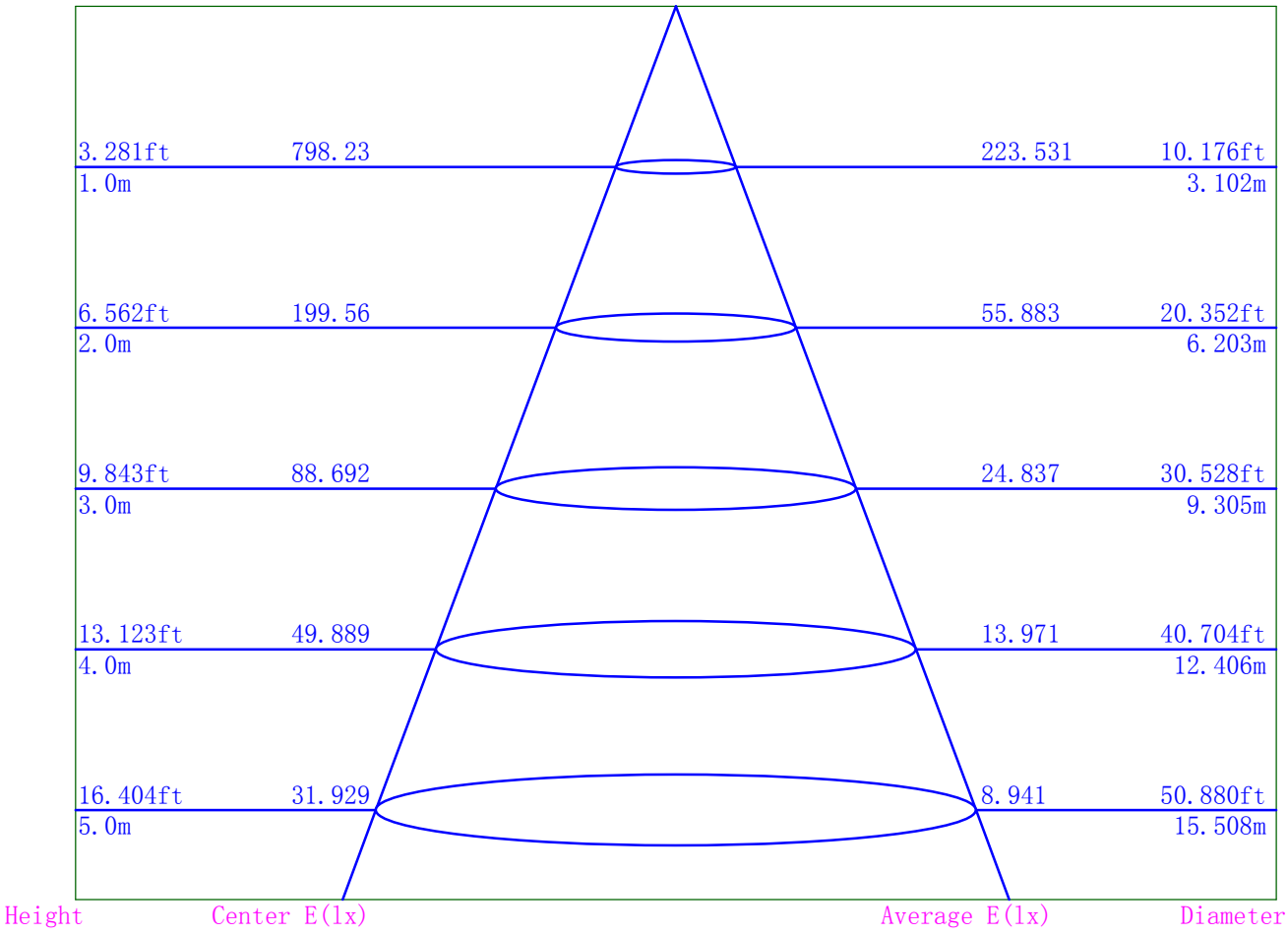
Space Plane Maximum Illuminance and @Angle:775.34lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:798.226cd,0eg

IES Flood Report
Photometric Filename: HCP-3328243.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3328243	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Illuminance-Distance Curve



Beam Angle:114.4

IES Flood Report
Photometric Filename: HCP-3328243.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	2.36	6.76	14.77	23.78	32.13	35.81	34.81	37.23	35.18	27.15	19.90	12.18
B-75.0	2.36	37.57	86.24	136.65	168.13	196.53	195.44	192.57	160.74	125.78	75.66	31.71
B-60.0	2.36	77.40	176.11	274.18	340.09	389.88	394.42	383.44	327.77	256.30	156.37	61.89
B-45.0	2.36	115.48	262.64	399.67	493.87	559.23	569.81	550.87	477.98	377.01	237.28	93.68
B-30.0	2.36	146.24	330.36	493.48	609.32	684.97	701.08	674.97	590.60	466.99	300.62	120.02
B-15.0	2.36	165.23	370.94	548.45	677.69	758.18	778.56	746.90	656.64	519.00	338.14	136.08
B0.0	2.36	170.31	382.09	561.74	695.53	775.34	798.23	763.31	673.35	530.86	347.73	139.82
B15.0	2.36	161.11	363.69	534.16	663.56	737.44	761.02	725.25	641.21	503.23	329.45	131.06
B30.0	2.36	138.65	316.13	465.62	581.17	644.24	666.38	632.53	559.96	435.93	283.17	110.33
B45.0	2.36	105.29	242.74	360.38	453.69	501.61	519.97	490.89	434.40	333.27	212.88	80.64
B60.0	2.36	66.85	153.96	228.66	292.06	321.49	334.56	312.47	275.33	205.29	128.62	47.62
B75.0	2.36	29.47	67.52	96.14	125.21	132.95	140.29	126.61	113.19	80.40	51.00	18.85
B90.0	2.36	2.05	2.03	2.04	2.08	2.08	2.12	2.10	2.18	2.16	2.15	2.12

V/H	β 90.0
B-90.0	2.42
B-75.0	2.42
B-60.0	2.42
B-45.0	2.42
B-30.0	2.42
B-15.0	2.42
B0.0	2.42
B15.0	2.42
B30.0	2.42
B45.0	2.42
B60.0	2.42
B75.0	2.42
B90.0	2.42