IES Flood Report
Photometric Filename: HCP-3365483.IES

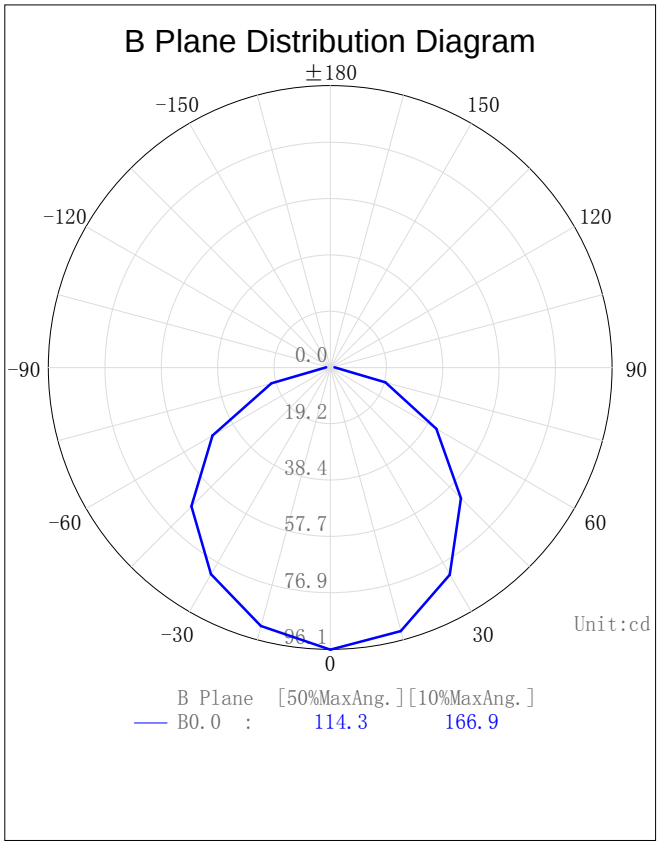
Flood Luminaire Photometric Data

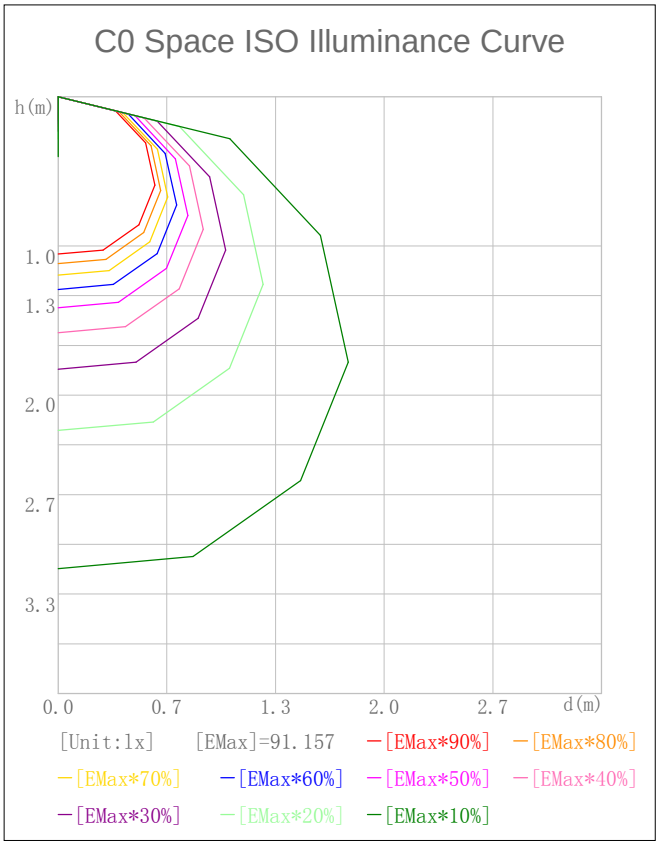
Description Information

Luminary Name: HCP-3365483		Lum. Catelog:	Test ID:
Lamp Name: 2110 3000K		Lamp Catelog: HCP-33655483	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*0.100m		Lum.Area(m2):0.011	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): 345.000	Luminary Flux(lm): 305.102	Beam Lumens(lm): 220.64	
Rated Power(W):	Luminary Efficiency: 88.44%	Beam Efficiency(%): 72.32	
Rated Voltage(V):	Luminary EER(lm/W): 66.211	Field Lumens(lm): 301.98	
Tested Power(W): 4.608	Max.Candela(cd): 96.114	Field Efficiency(%): 98.98	
Lamps' Inside: 1	Max Cand@Ang.(°): B=0.0 β=0.0	ErP Φuse(120°): 222.261lm	
Tested Electrics(V,A,pf):24.0,0.192,0.000	Beam Angle(50%)(V,H): 125.7(°),114.3(°)	IRF(%): 106.852	
Lamp Size(W*L*H):0.010m*0.100m*0.100m	Field Angle(10%)(V,H): 178.8(°),166.9(°)		



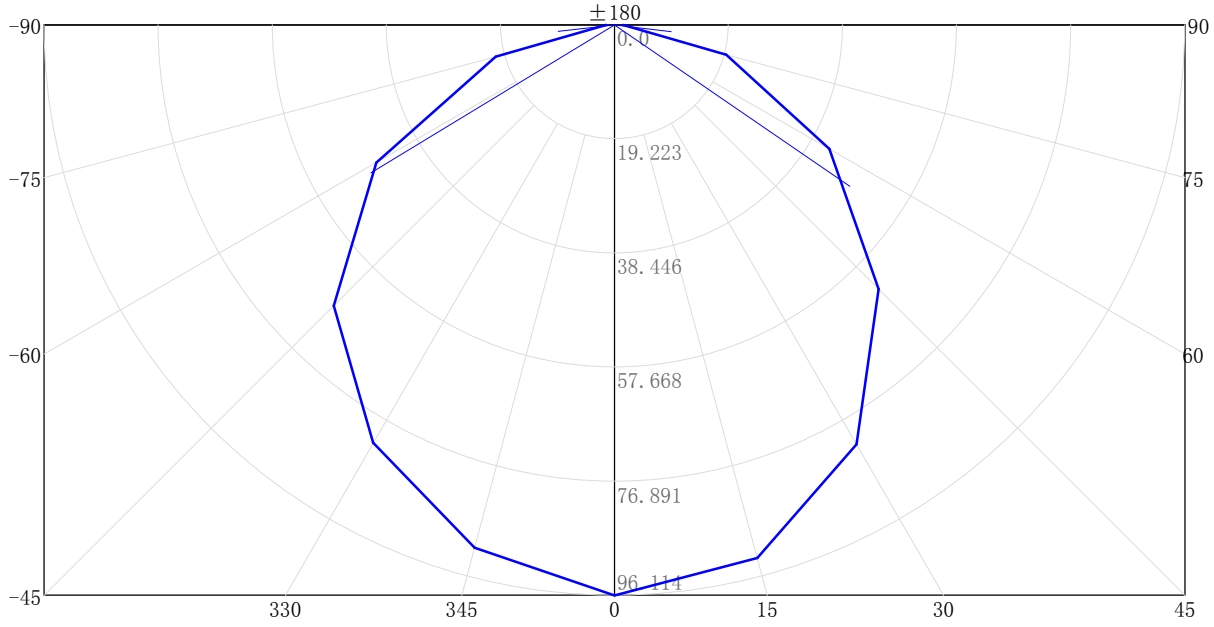


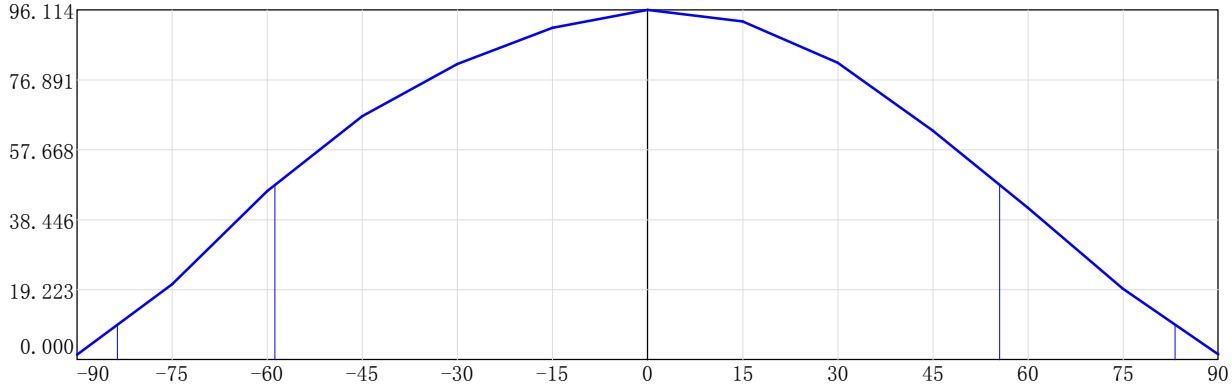
IES Flood Report
Photometric Filename:HCP-3365483.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

B Plane Distribution Diagram





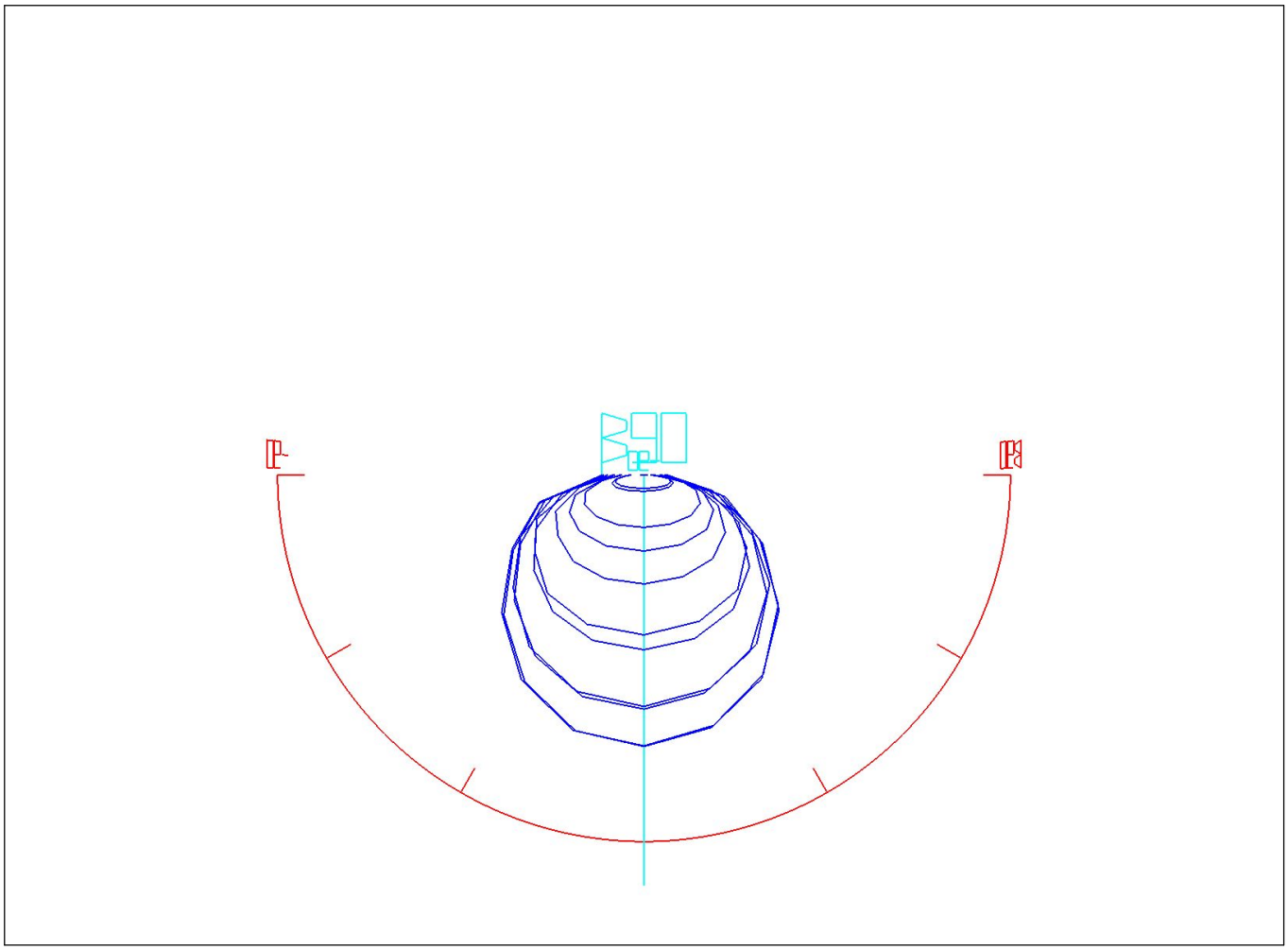
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
———	B0.0 :	114.3	166.9	

IES Flood Report
Photometric Filename:HCP-3365483.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	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-3365483.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	0.23	0.62	1.10	1.54	1.78	1.76	1.49	1.06	0.61	0.24	0.03
B-75.0	0.05	0.40	1.14	2.00	2.71	3.09	3.05	2.60	1.87	1.06	0.39	0.05
B-60.0	0.07	0.58	1.59	2.72	3.63	4.14	4.12	3.54	2.57	1.46	0.54	0.06
B-45.0	0.08	0.72	1.93	3.29	4.46	5.15	5.15	4.42	3.16	1.78	0.66	0.08
B-30.0	0.09	0.82	2.20	3.75	5.09	5.91	5.94	5.10	3.63	2.03	0.75	0.09
B-15.0	0.10	0.87	2.33	3.97	5.39	6.27	6.33	5.44	3.87	2.15	0.79	0.09
B0.0	0.10	0.86	2.31	3.94	5.35	6.23	6.28	5.40	3.84	2.14	0.79	0.09
B15.0	0.09	0.80	2.15	3.69	5.00	5.81	5.84	5.00	3.56	1.99	0.73	0.09
B30.0	0.08	0.68	1.85	3.19	4.32	4.99	4.99	4.26	3.04	1.71	0.64	0.08
B45.0	0.06	0.52	1.42	2.46	3.34	3.85	3.82	3.25	2.33	1.32	0.50	0.06
B60.0	0.04	0.34	0.92	1.63	2.24	2.59	2.55	2.14	1.53	0.88	0.34	0.04
B75.0	0.03	0.18	0.46	0.80	1.09	1.24	1.20	0.98	0.69	0.39	0.16	0.03
B90.0												
Total	0.81	6.98	18.92	32.54	44.13	51.05	51.02	43.64	31.16	17.52	6.52	0.79

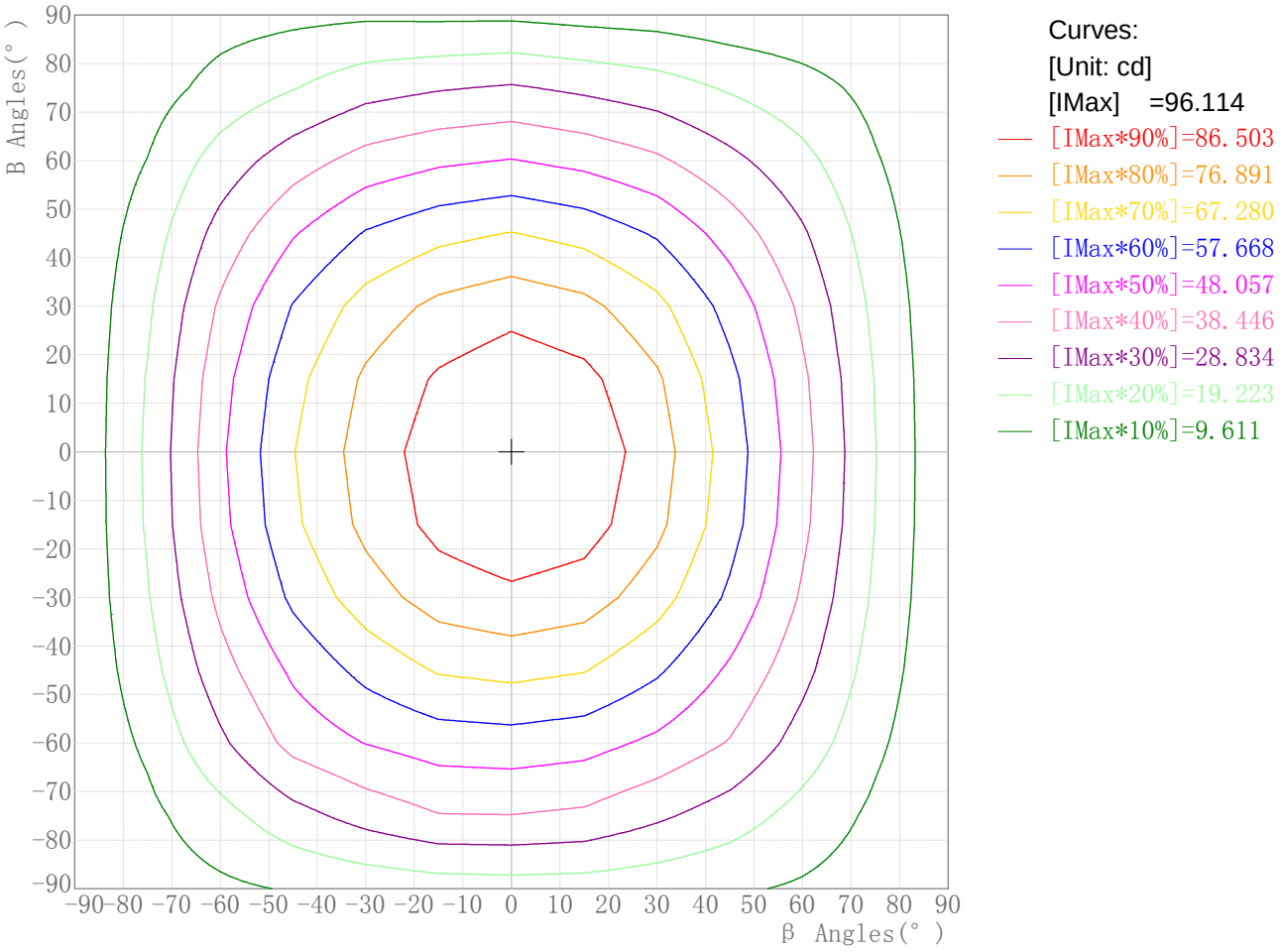
β 90.0	Total
B-90.0	
B-75.0	10.51
B-60.0	18.41
B-45.0	25.02
B-30.0	30.87
B-15.0	35.40
B0.0	37.60
B15.0	37.31
B30.0	34.74
B45.0	29.81
B60.0	22.93
B75.0	15.24
B90.0	7.26
Total	305.10

IES Flood Report
Photometric Filename:HCP-3365483.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

ISO Lighting Intensity Curve



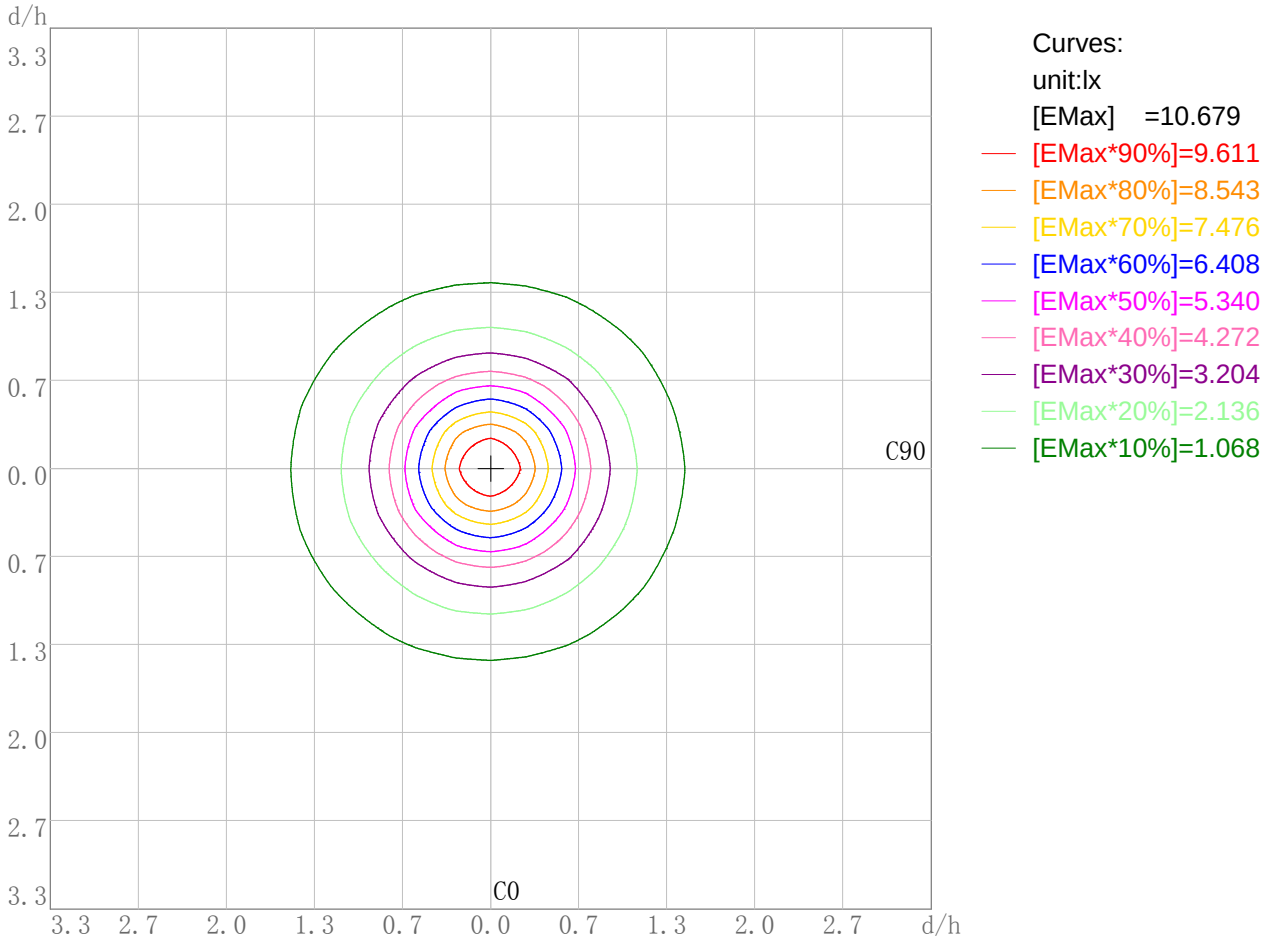
Maximum Light Intensity(cd): 96.11
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename:HCP-3365483.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Plane ISO-Illuminance Curve



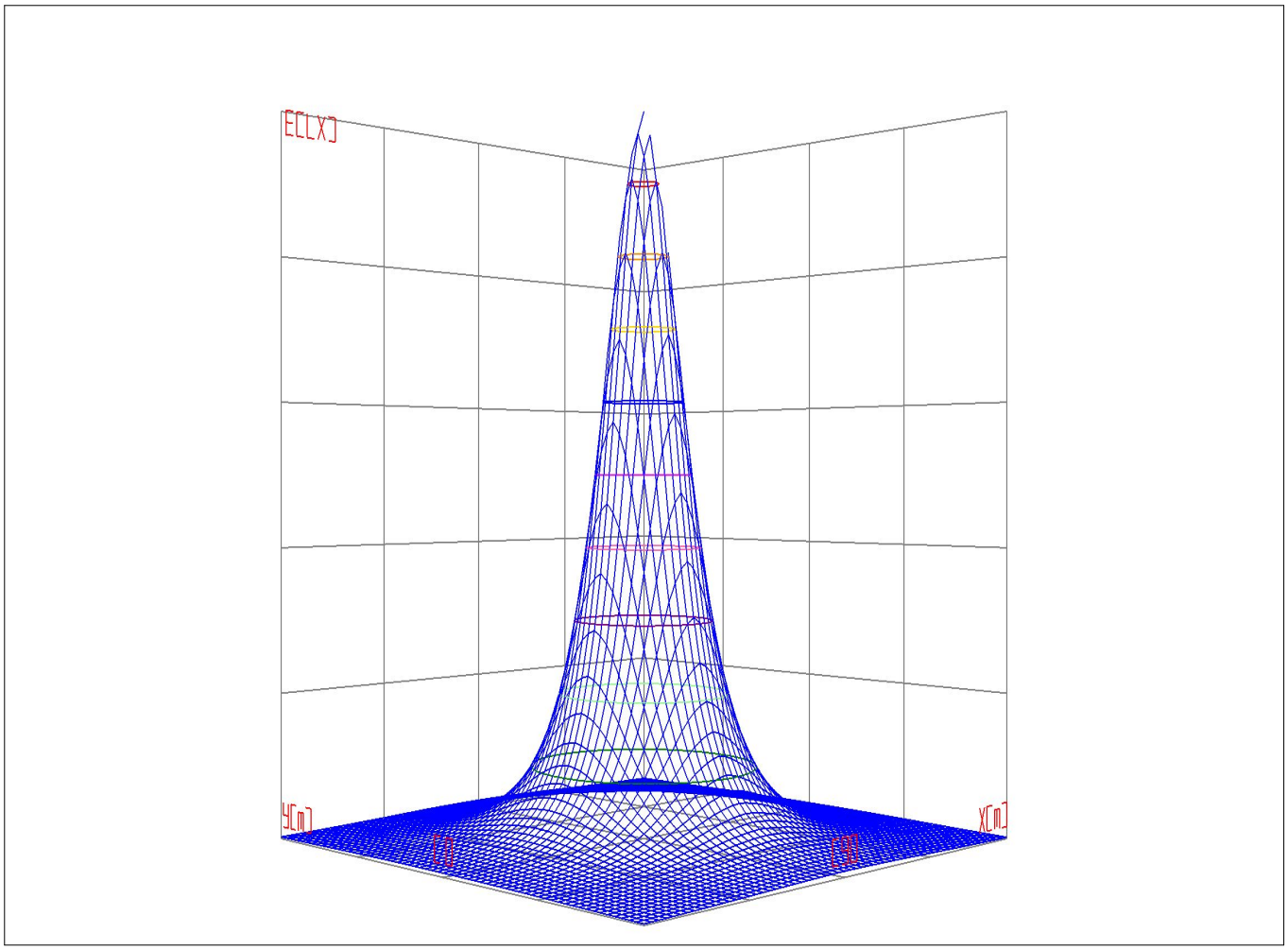
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 10.68
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename:HCP-3365483.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	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%

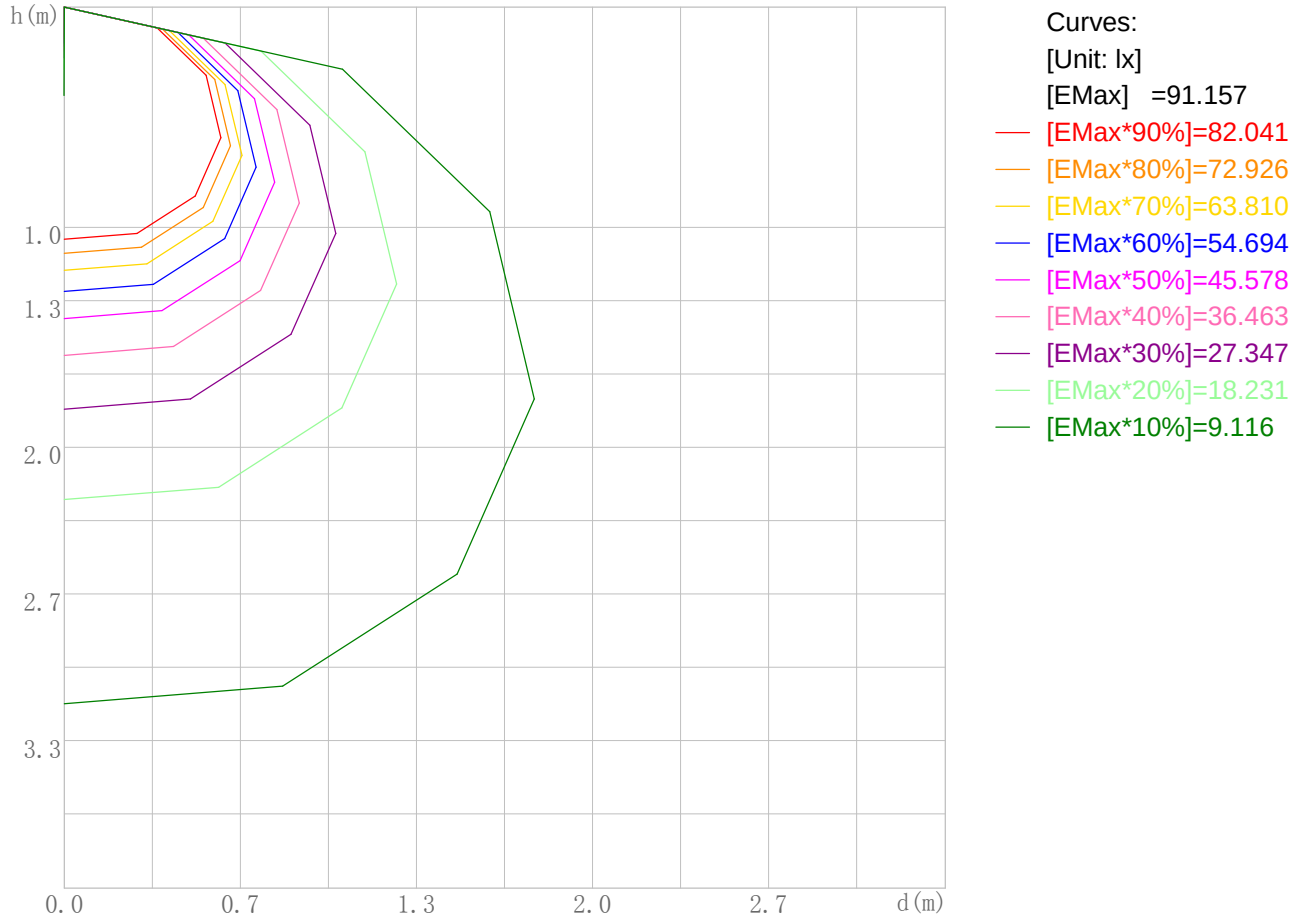
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename:HCP-3365483.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Space ISO Illuminance Curve



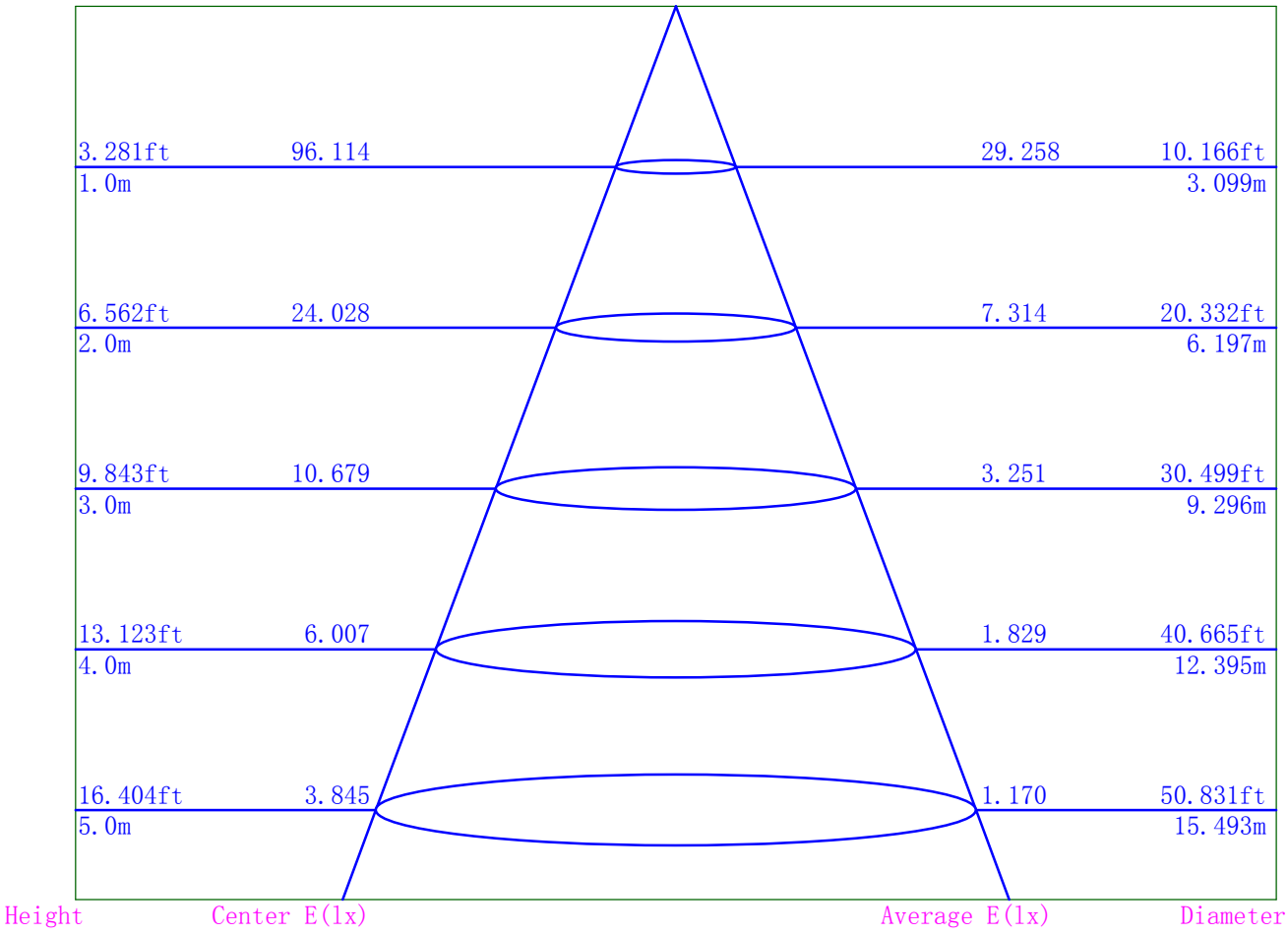
Space Plane Maximum Illuminance and @Angle:91.16lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:96.114cd,0eg

IES Flood Report
Photometric Filename:HCP-3365483.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365483	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog: HCP-33655483	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Illuminance-Distance Curve



Beam Angle:114.3

IES Flood Report
Photometric Filename:HCP-3365483.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	1.41	4.44	7.74	10.38	12.64	14.25	14.87	14.48	13.02	10.94	8.40	5.00
B-75.0	1.41	7.20	15.77	25.43	32.52	37.98	38.20	36.62	30.53	24.01	15.55	7.74
B-60.0	1.41	11.32	26.95	41.58	48.31	52.60	53.52	51.67	45.97	37.81	24.69	11.38
B-45.0	1.41	15.43	34.60	49.88	60.65	68.18	70.18	67.79	59.14	46.55	31.73	14.80
B-30.0	1.41	18.54	40.90	59.71	72.36	81.29	84.46	81.67	71.43	55.89	37.10	17.48
B-15.0	1.41	20.31	45.14	65.42	79.43	89.38	93.75	90.71	79.33	61.47	40.70	19.03
B0.0	1.41	20.73	46.35	66.91	81.28	91.16	96.11	92.97	81.57	62.96	41.80	19.48
B15.0	1.41	19.85	44.45	64.29	78.47	87.81	92.53	89.13	78.32	60.34	40.21	18.74
B30.0	1.41	17.60	39.88	58.15	71.24	79.21	83.31	79.55	69.95	54.07	36.33	16.85
B45.0	1.41	14.13	32.41	47.21	58.44	64.53	67.64	64.02	56.55	43.83	30.03	13.94
B60.0	1.41	9.81	23.32	33.99	42.07	46.36	48.48	45.27	40.07	31.44	21.92	10.34
B75.0	1.41	5.52	12.73	18.77	25.14	28.02	29.81	26.93	23.59	18.12	13.03	6.87
B90.0	1.41	3.12	5.96	7.24	8.13	7.79	7.84	6.38	5.48	3.59	2.64	2.33

V/H	β 90.0
B-90.0	1.47
B-75.0	1.47
B-60.0	1.47
B-45.0	1.47
B-30.0	1.47
B-15.0	1.47
B0.0	1.47
B15.0	1.47
B30.0	1.47
B45.0	1.47
B60.0	1.47
B75.0	1.47
B90.0	1.47