IES Flood Report
Photometric Filename: HCP-3365482.IES

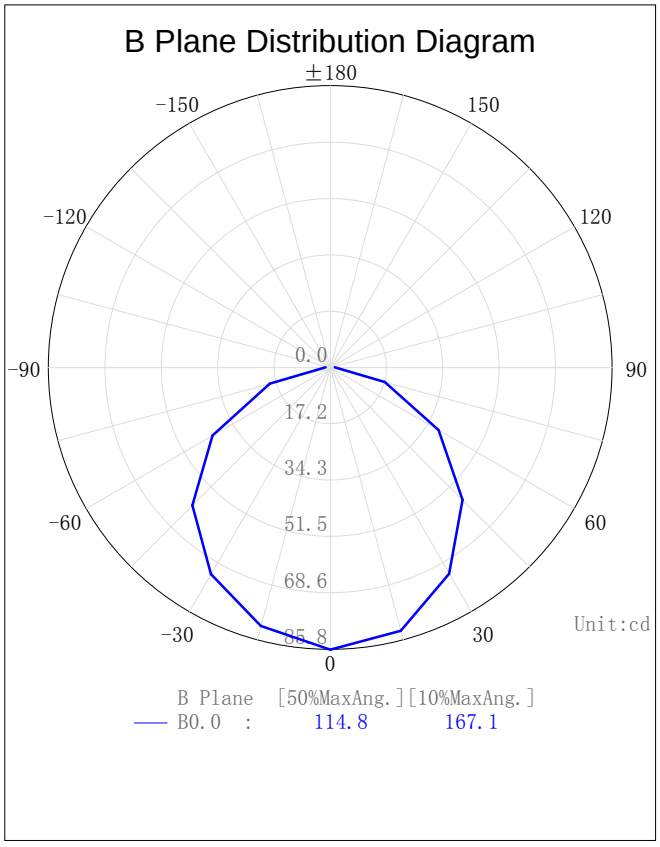
Flood Luminaire Photometric Data

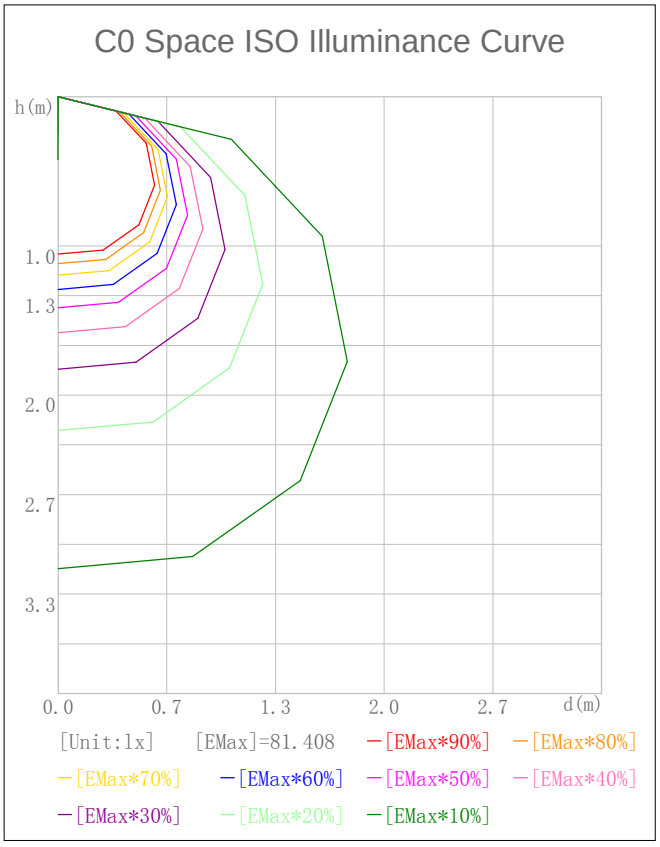
Description Information

Luminary Name: HCP-3365482		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700K		Lamp Catelog: HCP-3365482	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): 311.000	Luminary Flux(lm): 273.344	Beam Lumens(lm): 197.85	
Rated Power(W):	Luminary Efficiency: 87.89%	Beam Efficiency(%): 72.38	
Rated Voltage(V):	Luminary EER(lm/W): 59.012	Field Lumens(lm): 270.44	
Tested Power(W): 4.632	Max.Candela(cd): 85.798	Field Efficiency(%): 98.94	
Lamps' Inside: 1	Max Cand@Ang.(°): B=0.0 β=0.0	ErP Φuse(120°): 198.486lm	
Tested Electrics(V,A,pf):24.0,0.193,0.000	Beam Angle(50%)(V,H): 126.4(°),114.8(°)	IRF(%): 106.954	
Lamp Size(W*L*H):0.010m*0.100m*0.010m	Field Angle(10%)(V,H): 178.2(°),167.1(°)		



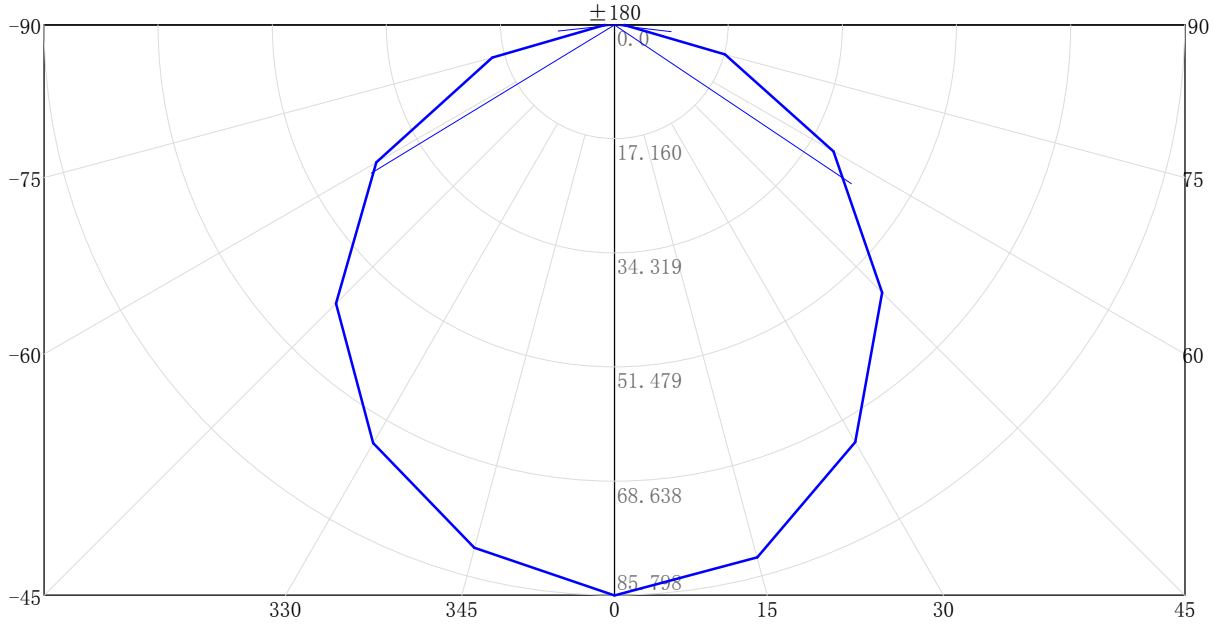


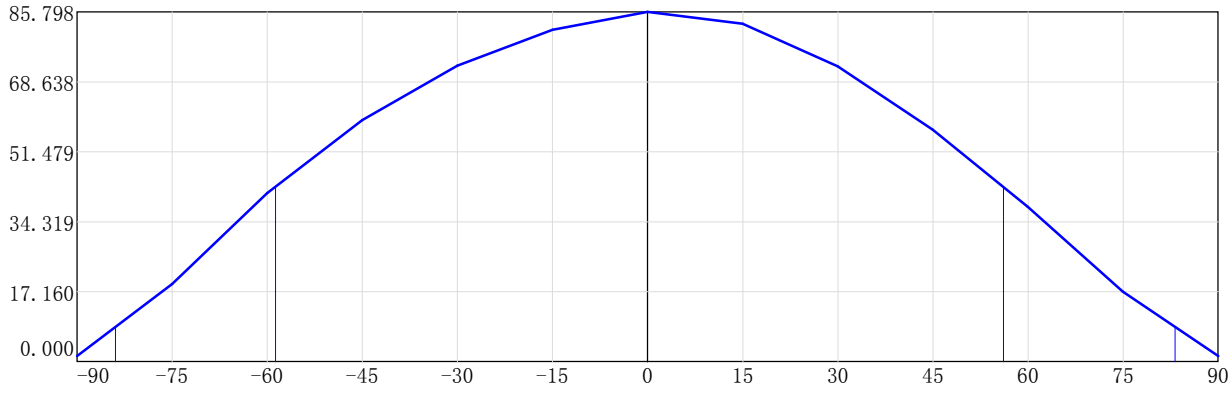
IES Flood Report
Photometric Filename:HCP-3365482.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

B Plane Distribution Diagram





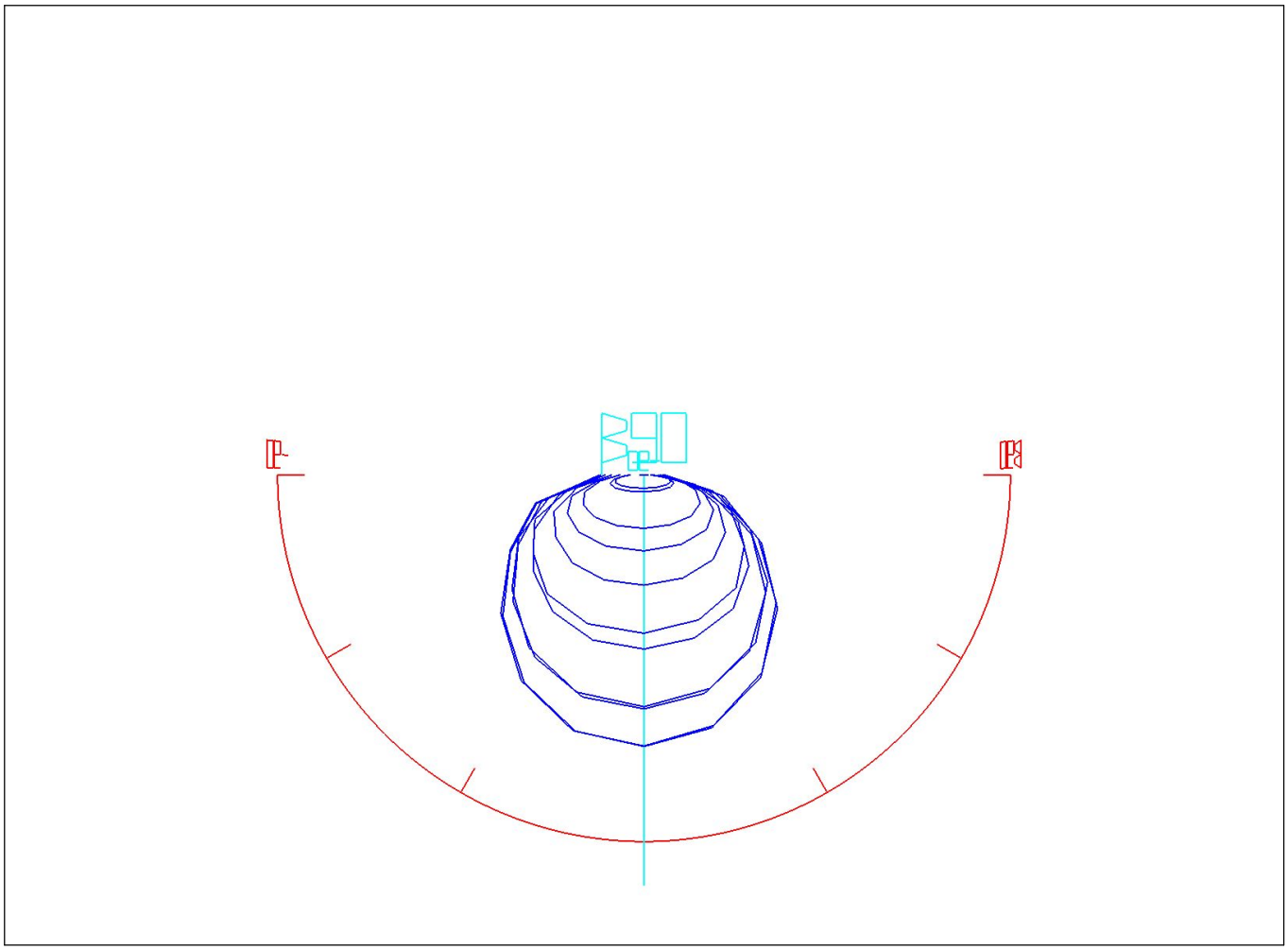
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	114.8	167.1	

IES Flood Report
Photometric Filename:HCP-3365482.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	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-3365482.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	0.22	0.59	1.04	1.44	1.66	1.64	1.39	0.99	0.57	0.22	0.03
B-75.0	0.05	0.38	1.06	1.84	2.48	2.82	2.79	2.38	1.72	0.97	0.36	0.05
B-60.0	0.06	0.54	1.45	2.46	3.27	3.74	3.73	3.20	2.33	1.34	0.49	0.06
B-45.0	0.08	0.66	1.74	2.95	4.00	4.62	4.63	3.97	2.85	1.63	0.60	0.07
B-30.0	0.09	0.74	1.97	3.36	4.55	5.29	5.32	4.56	3.27	1.85	0.68	0.08
B-15.0	0.09	0.78	2.07	3.54	4.81	5.60	5.65	4.85	3.47	1.95	0.71	0.08
B0.0	0.09	0.77	2.05	3.51	4.78	5.56	5.61	4.81	3.44	1.93	0.71	0.08
B15.0	0.08	0.72	1.91	3.27	4.45	5.17	5.20	4.46	3.19	1.79	0.66	0.08
B30.0	0.07	0.61	1.63	2.80	3.81	4.41	4.42	3.78	2.71	1.53	0.57	0.07
B45.0	0.06	0.47	1.26	2.17	2.94	3.39	3.38	2.88	2.07	1.18	0.44	0.05
B60.0	0.04	0.30	0.83	1.44	1.97	2.28	2.25	1.90	1.37	0.78	0.30	0.04
B75.0	0.02	0.16	0.40	0.69	0.94	1.07	1.04	0.85	0.60	0.34	0.14	0.02
B90.0												
Total	0.76	6.35	16.97	29.08	39.44	45.61	45.64	39.03	28.00	15.87	5.88	0.71

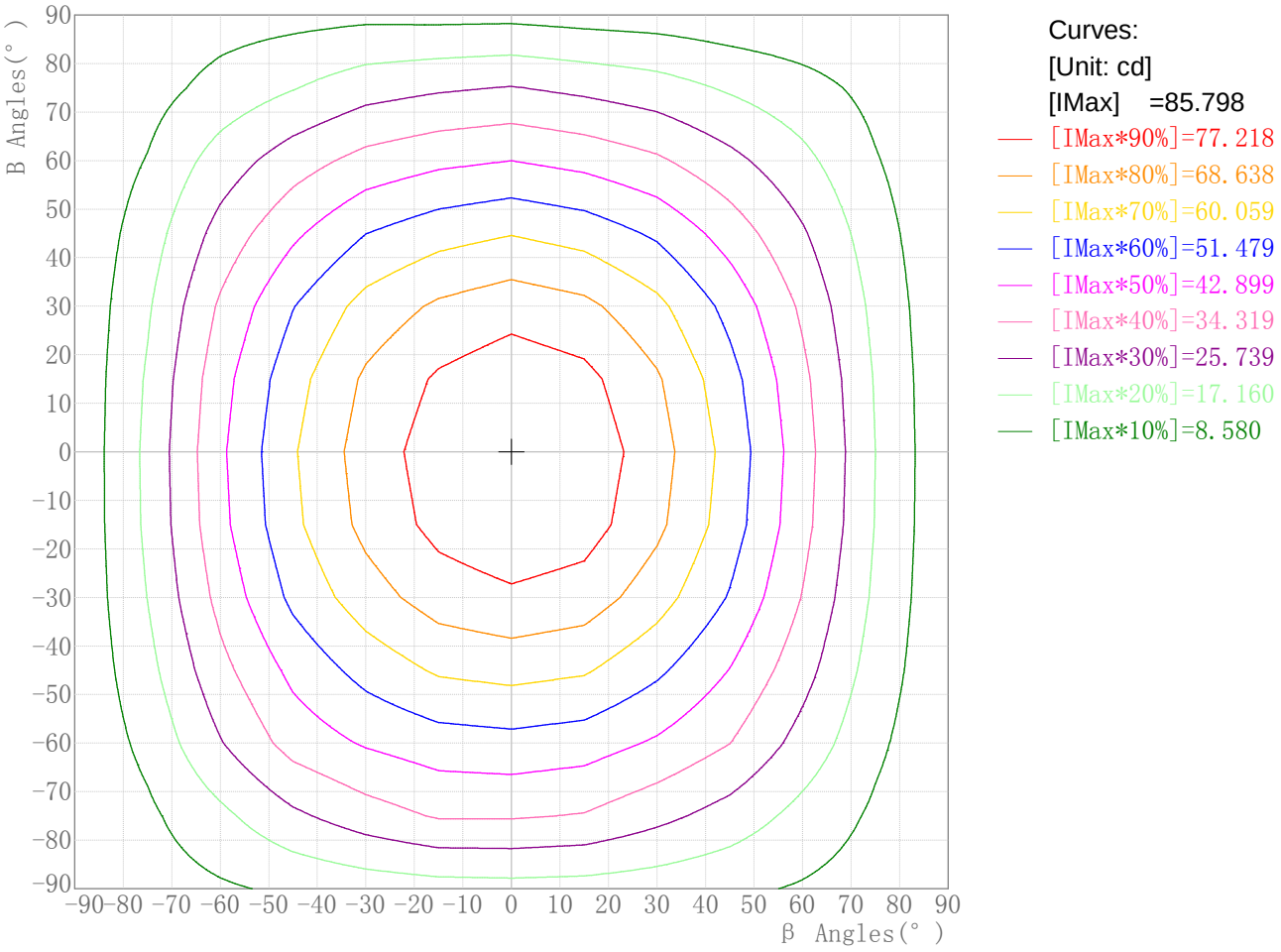
β 90.0	Total
B-90.0	
B-75.0	9.83
B-60.0	16.90
B-45.0	22.67
B-30.0	27.79
B-15.0	31.74
B0.0	33.62
B15.0	33.34
B30.0	30.96
B45.0	26.42
B60.0	20.30
B75.0	13.50
B90.0	6.28
Total	273.34

IES Flood Report
Photometric Filename:HCP-3365482.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

ISO Lighting Intensity Curve



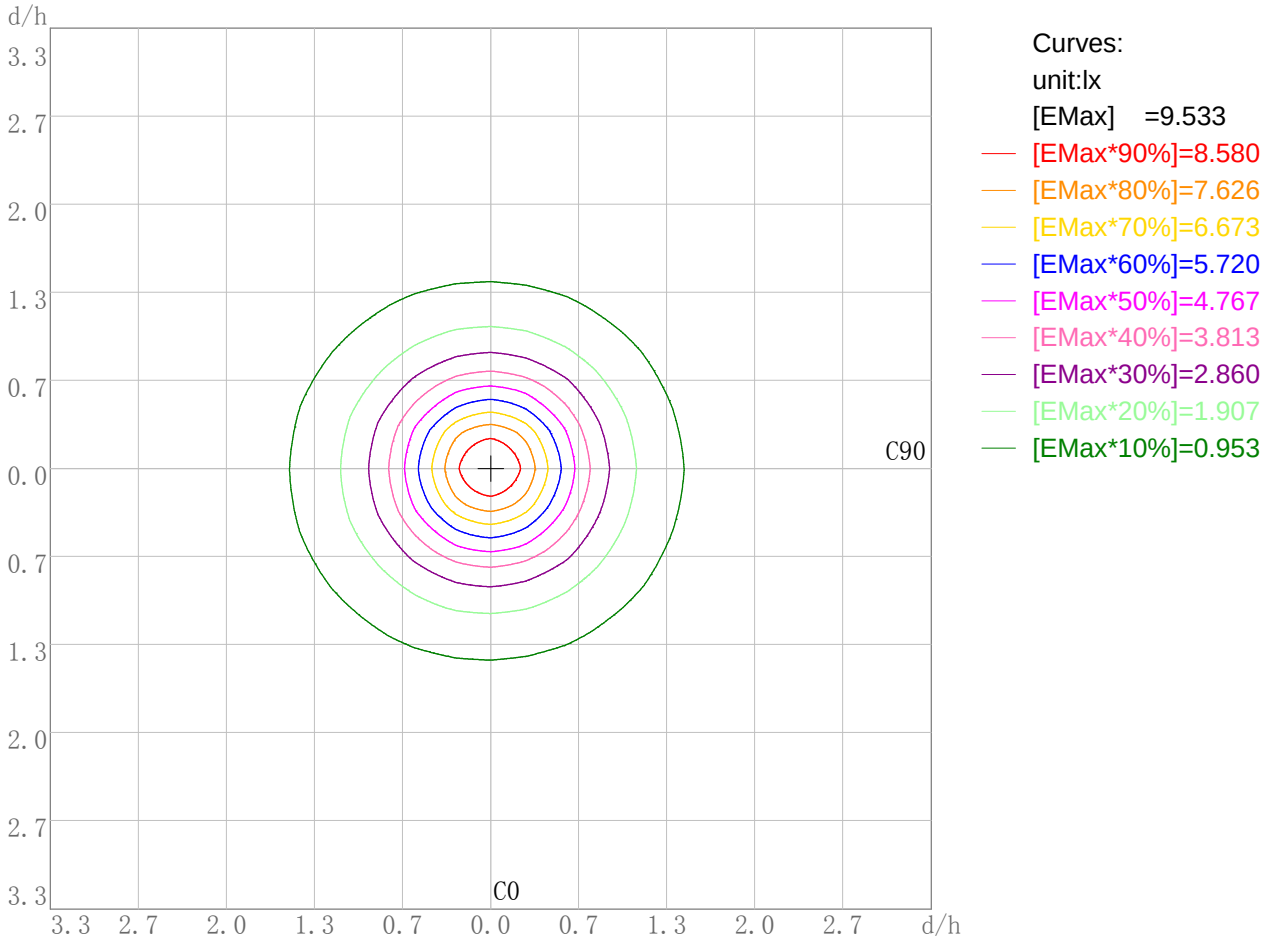
Maximum Light Intensity(cd): 85.80
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename:HCP-3365482.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Plane ISO-Illuminance Curve



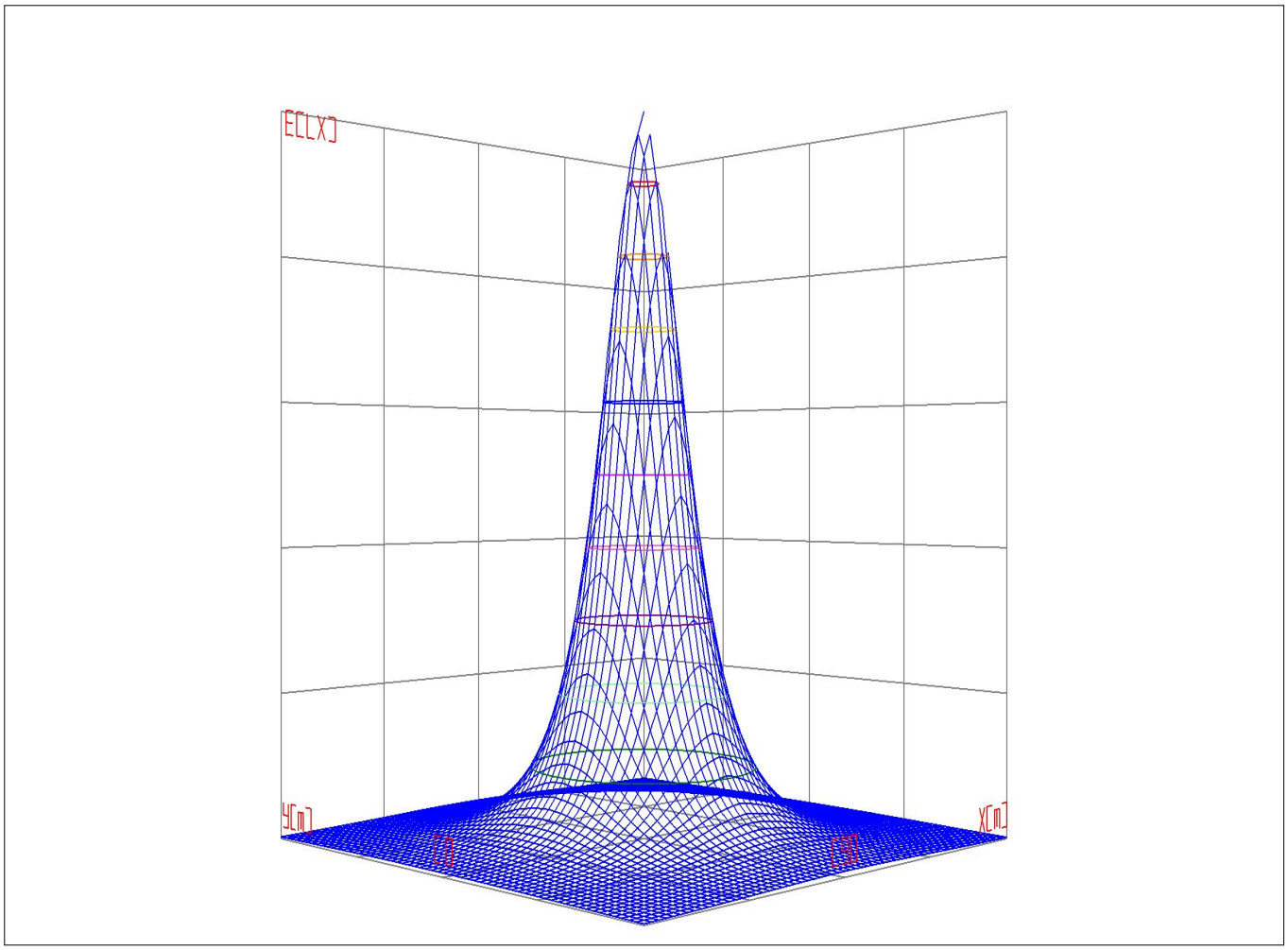
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 9.53
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename:HCP-3365482.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	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%

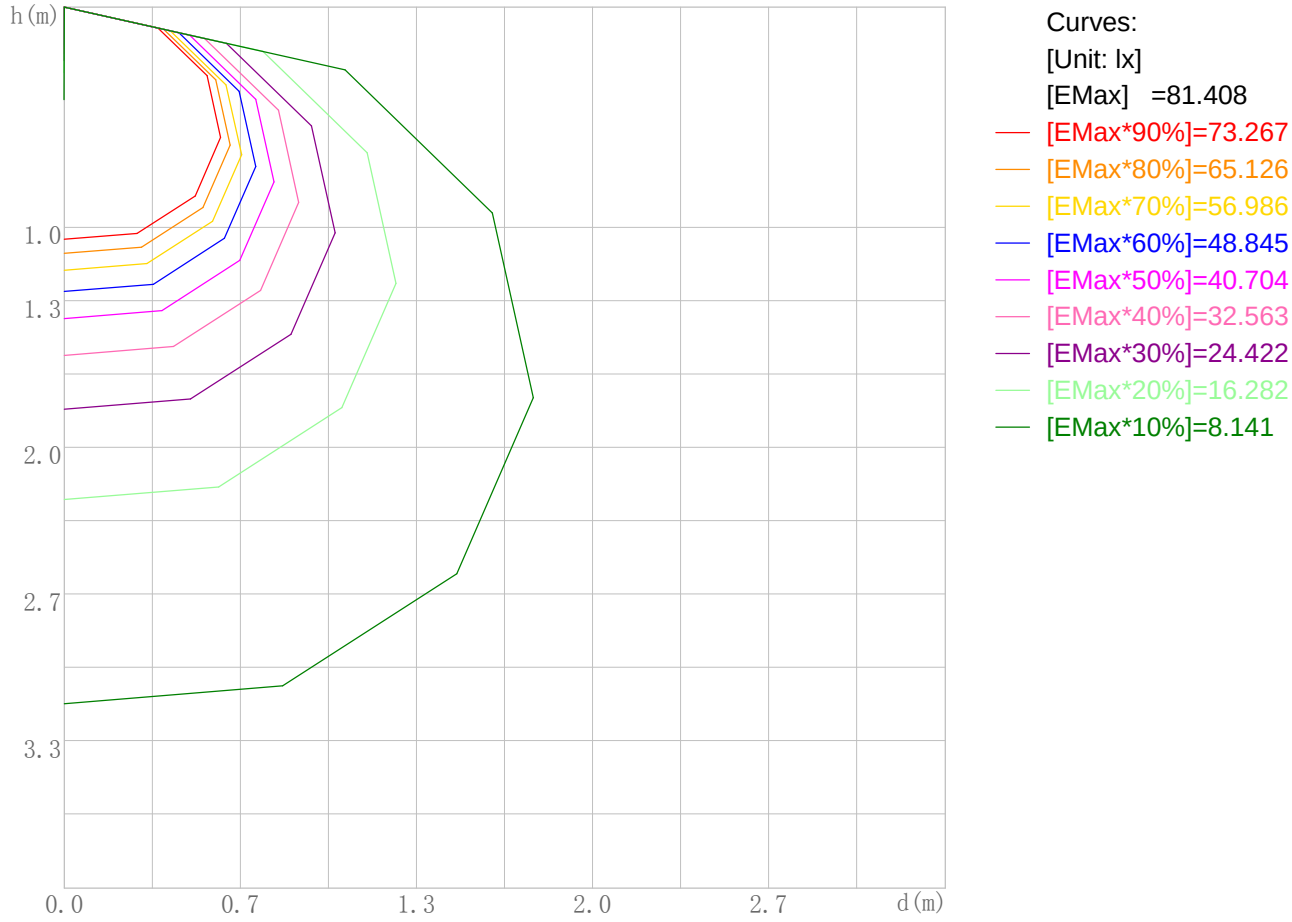
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename:HCP-3365482.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Space ISO Illuminance Curve



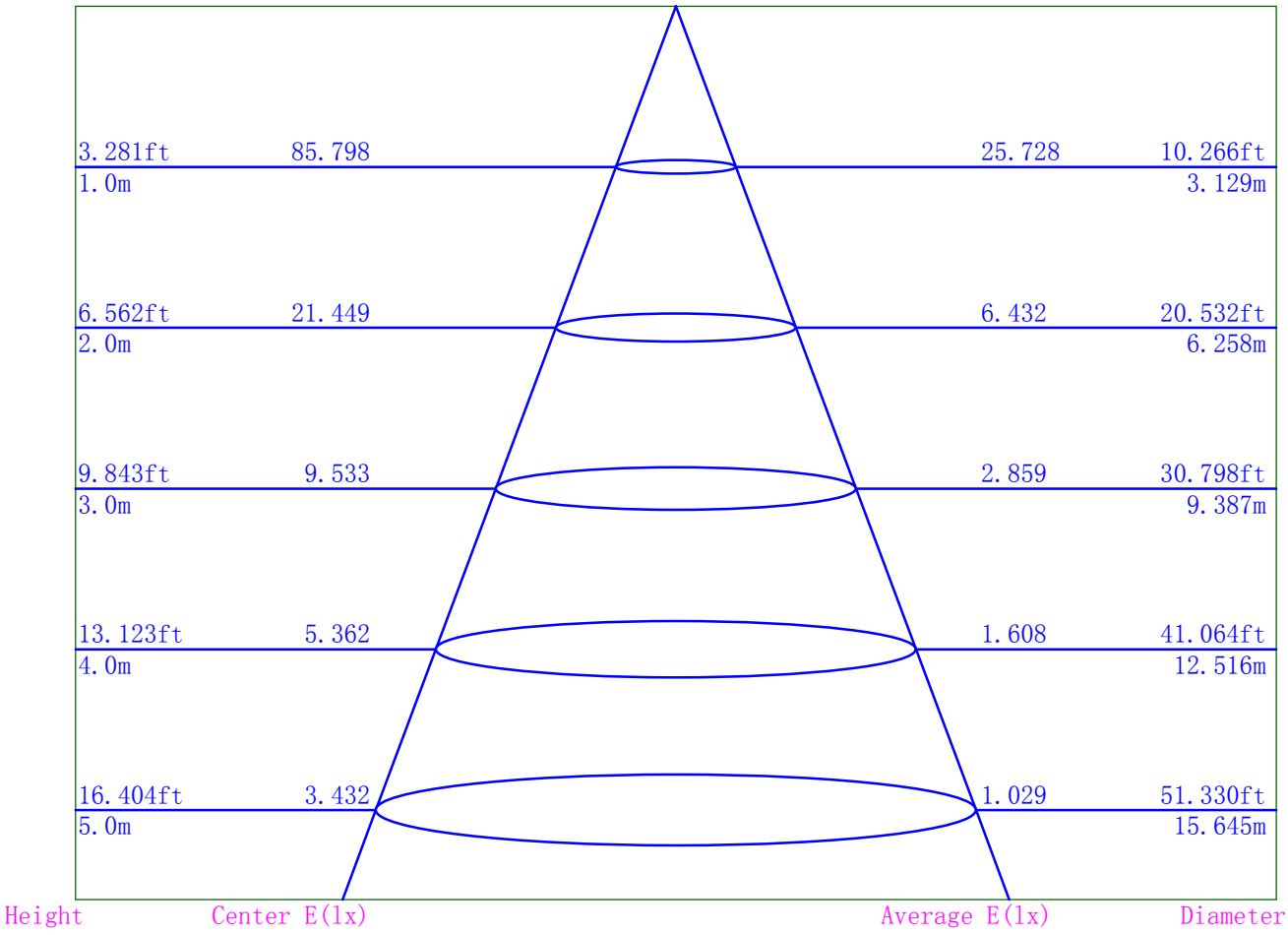
Space Plane Maximum Illuminance and @Angle:81.41lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:85.798cd,0eg

IES Flood Report
Photometric Filename:HCP-3365482.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365482	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog: HCP-3365482	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Illuminance-Distance Curve



Beam Angle:114.8

IES Flood Report
Photometric Filename:HCP-3365482.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	1.43	4.23	7.42	10.06	12.25	13.65	14.10	13.65	12.31	10.25	7.76	4.61
B-75.0	1.43	6.94	15.16	24.08	30.43	35.17	35.22	33.76	28.21	22.23	14.40	7.21
B-60.0	1.43	10.86	25.19	37.78	43.79	47.63	48.73	47.06	41.74	34.44	22.55	10.31
B-45.0	1.43	14.49	31.69	45.16	54.55	61.24	63.09	61.07	53.14	42.66	28.92	13.29
B-30.0	1.43	17.30	36.99	53.48	64.81	72.75	75.72	73.33	63.81	50.81	33.92	15.55
B-15.0	1.43	18.77	40.45	58.20	71.10	79.89	83.78	81.10	70.64	55.75	37.12	16.85
B0.0	1.43	19.04	41.34	59.23	72.63	81.41	85.80	82.91	72.46	56.95	38.03	17.18
B15.0	1.43	18.14	39.60	56.87	70.05	78.42	82.72	79.69	69.66	54.54	36.41	16.49
B30.0	1.43	16.05	35.57	51.15	63.12	70.04	73.80	70.73	62.27	48.74	32.76	14.81
B45.0	1.43	12.88	28.95	41.25	51.39	56.74	59.67	56.61	50.08	39.14	26.74	12.27
B60.0	1.43	8.98	20.98	30.33	37.19	40.92	42.86	40.17	35.65	28.13	19.39	9.15
B75.0	1.43	5.25	11.43	16.71	22.14	24.59	26.14	23.74	20.88	16.07	11.57	6.16
B90.0	1.43	2.70	4.84	5.69	6.53	6.11	6.23	5.03	4.35	3.00	2.13	1.97

V/H	β 90.0
B-90.0	1.44
B-75.0	1.44
B-60.0	1.44
B-45.0	1.44
B-30.0	1.44
B-15.0	1.44
B0.0	1.44
B15.0	1.44
B30.0	1.44
B45.0	1.44
B60.0	1.44
B75.0	1.44
B90.0	1.44