IES Flood Report
Photometric Filename: HCP-3365485.IES

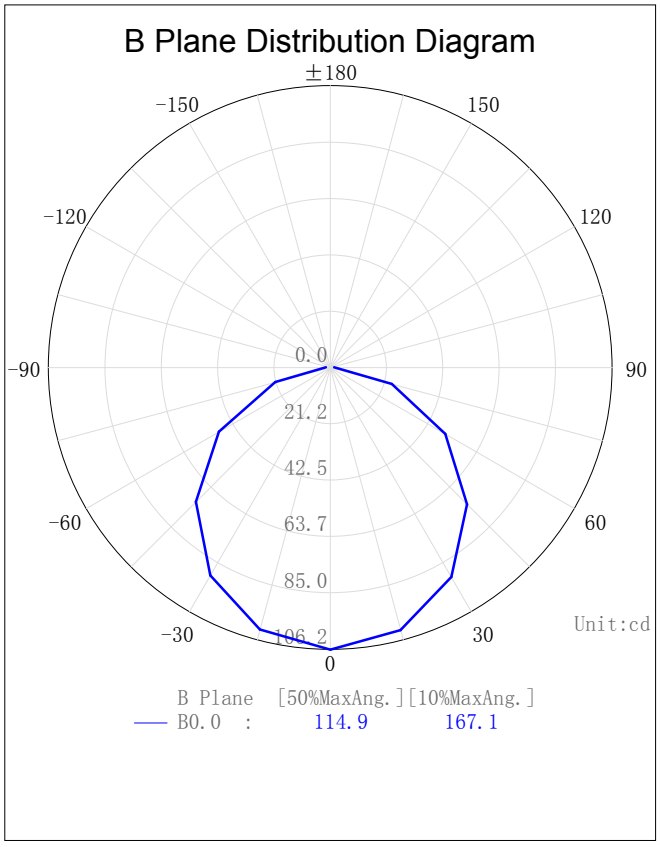
Flood Luminaire Photometric Data

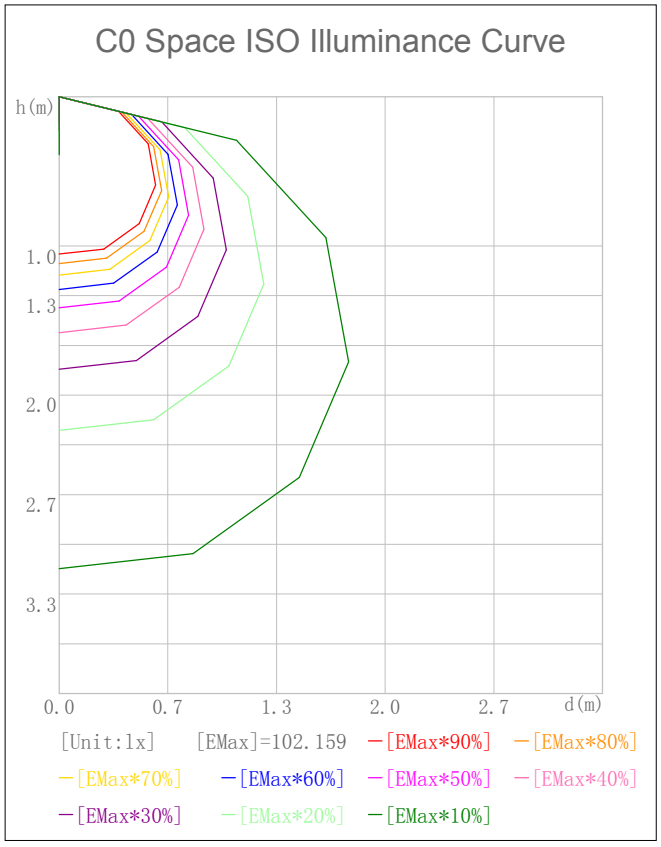
Description Information

Luminary Name: HCP-3365485		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog:	Test Date: 2019/07/16
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):	388.710	Luminary Flux(lm):	342.831	Beam Lumens(lm):	251.55
Rated Power(W):		Luminary Efficiency:	88.20%	Beam Efficiency(%):	73.37
Rated Voltage(V):		Luminary EER(lm/W):	72.511	Field Lumens(lm):	338.49
Tested Power(W):	4.728	Max.Candela(cd):	106.233	Field Efficiency(%):	98.73
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	248.5141m
Tested Electrics(V,A,pf):24.0,0.197,0.000		Beam Angle(50%)(V,H):	127.7(°),114.9(°)	IRF(%):	105.358
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.2(°),167.1(°)		





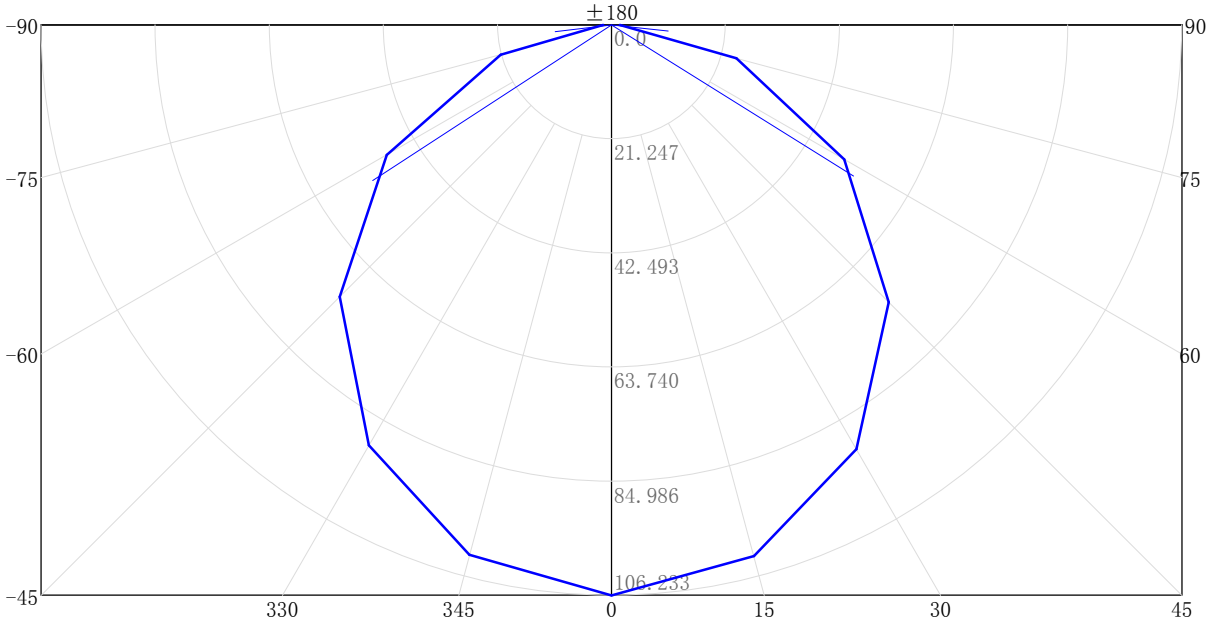
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

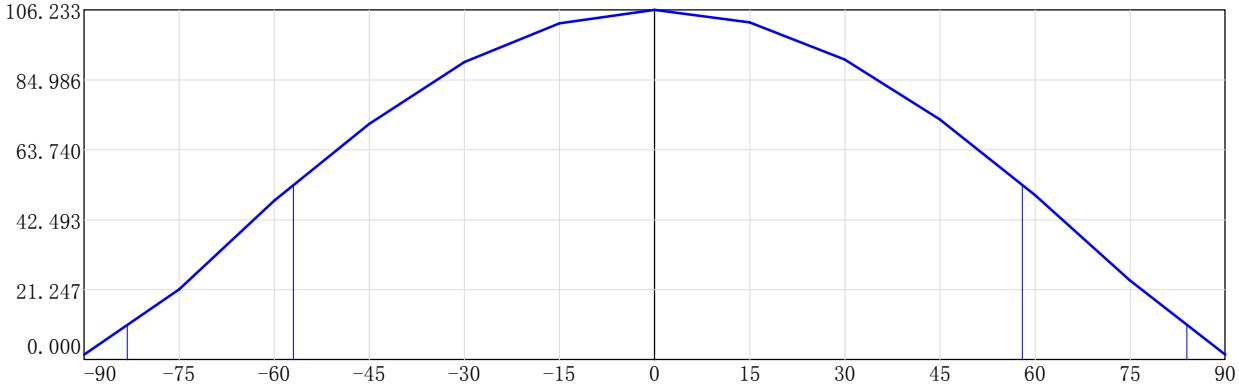
IES Flood Report
Photometric Filename: HCP-3365485.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

B Plane Distribution Diagram





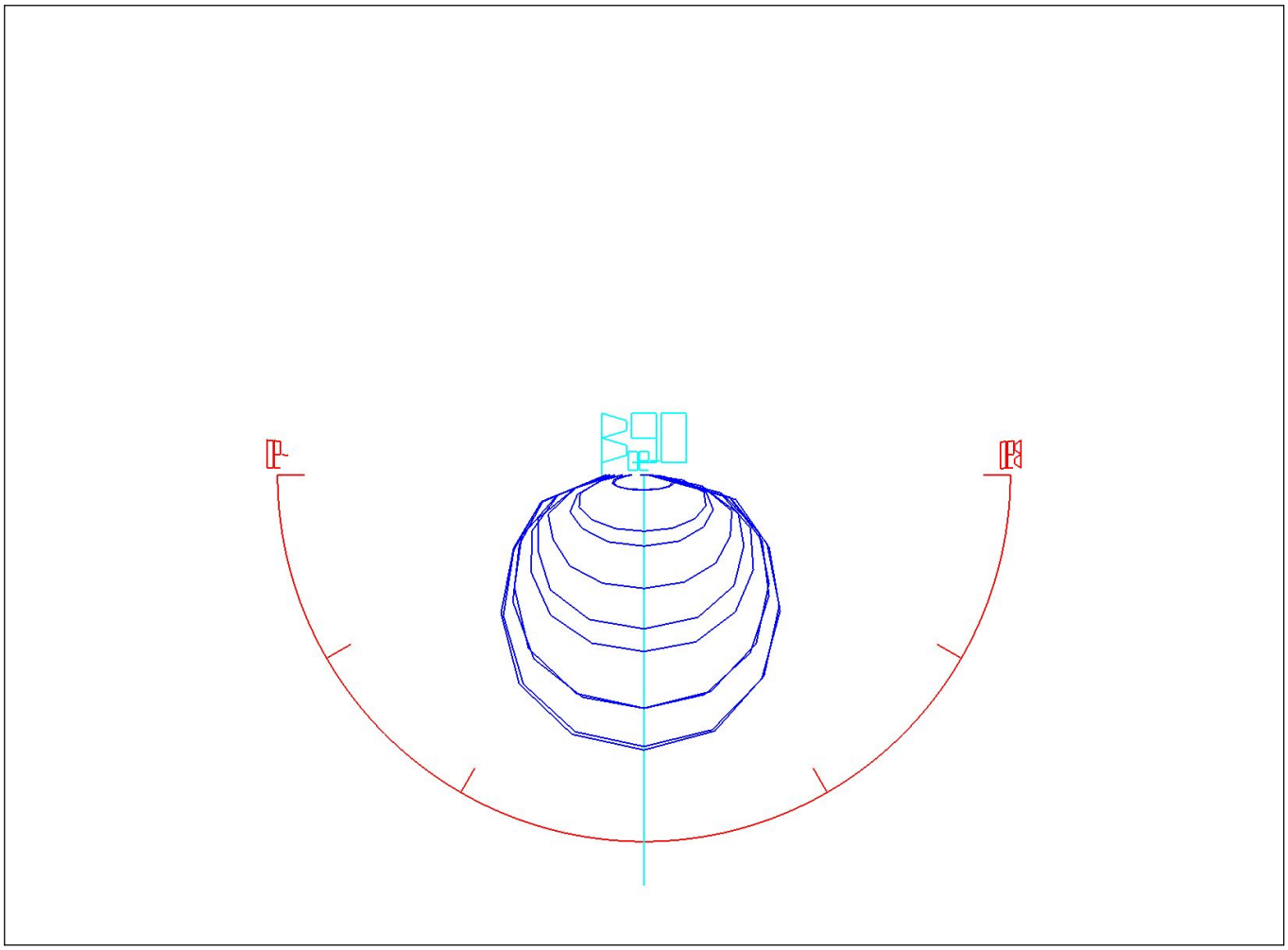
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	114.9	167.1	

IES Flood Report
Photometric Filename: HCP-3365485.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

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-3365485.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	0.25	0.67	1.17	1.64	1.91	1.92	1.66	1.20	0.69	0.27	0.04	
B-75.0	0.05	0.43	1.23	2.17	2.94	3.38	3.38	2.95	2.19	1.27	0.46	0.06	
B-60.0	0.07	0.62	1.73	2.96	3.99	4.57	4.58	4.00	2.98	1.75	0.66	0.08	
B-45.0	0.09	0.76	2.07	3.59	4.96	5.75	5.75	4.98	3.64	2.12	0.81	0.10	
B-30.0	0.10	0.86	2.34	4.12	5.69	6.61	6.62	5.72	4.17	2.40	0.91	0.11	
B-15.0	0.10	0.90	2.47	4.35	6.02	6.99	7.00	6.05	4.41	2.53	0.96	0.11	
B0.0	0.10	0.90	2.46	4.33	5.99	6.96	6.96	6.02	4.38	2.52	0.96	0.11	
B15.0	0.09	0.84	2.30	4.04	5.58	6.48	6.49	5.61	4.09	2.35	0.90	0.11	
B30.0	0.08	0.73	1.99	3.47	4.78	5.55	5.55	4.81	3.51	2.03	0.78	0.09	
B45.0	0.06	0.58	1.61	2.79	3.79	4.37	4.38	3.81	2.82	1.64	0.62	0.07	
B60.0	0.05	0.39	1.11	1.96	2.68	3.10	3.10	2.69	1.99	1.14	0.43	0.05	
B75.0	0.03	0.17	0.44	0.78	1.09	1.27	1.28	1.09	0.79	0.45	0.18	0.03	
B90.0													
Total	0.85	7.43	20.41	35.73	49.14	56.93	57.01	49.40	36.16	20.90	7.92	0.96	

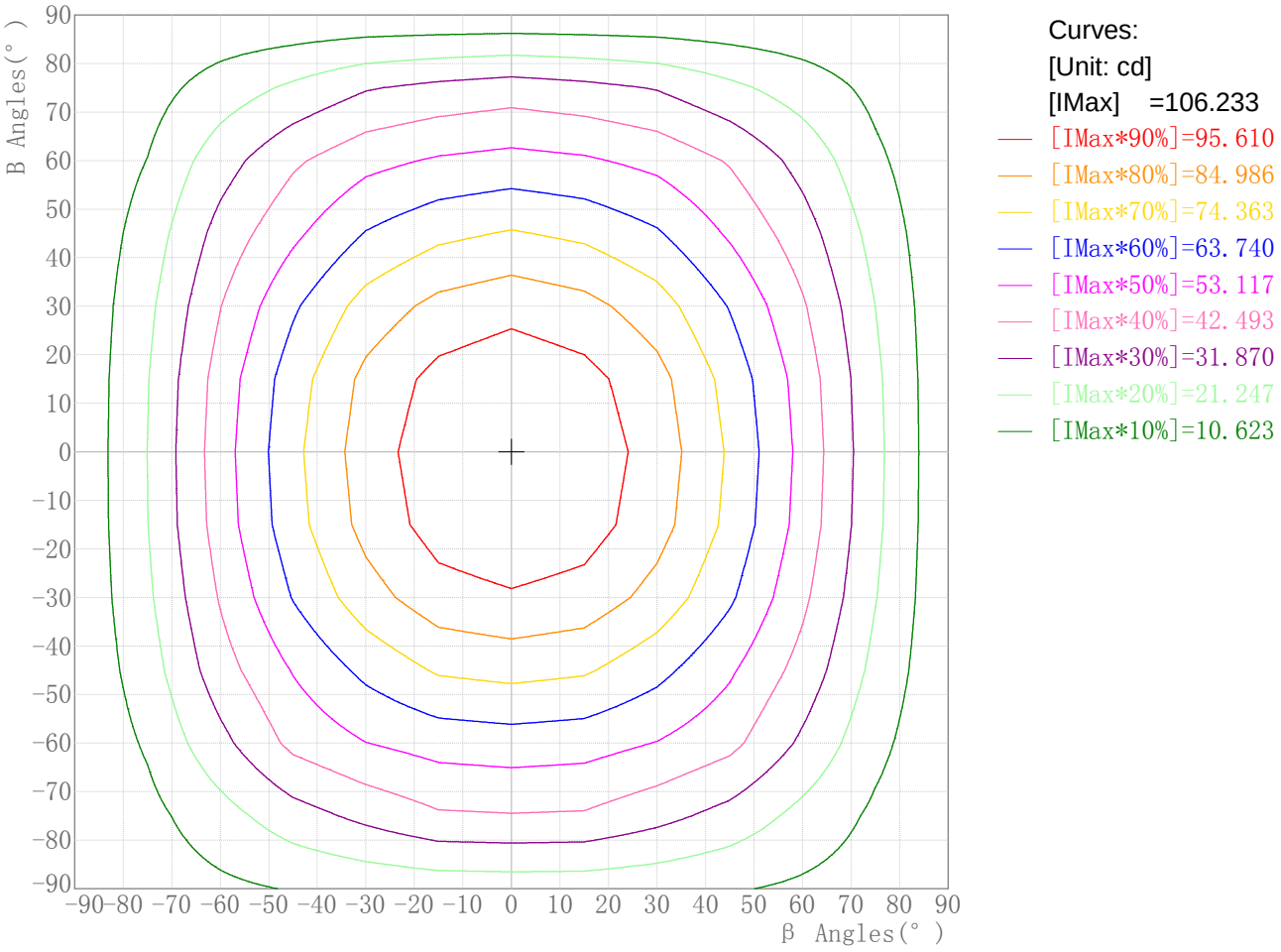
	β 90.0	Total
B-90.0		11.44
B-75.0		20.51
B-60.0		27.98
B-45.0		34.62
B-30.0		39.64
B-15.0		41.90
B0.0		41.68
B15.0		38.87
B30.0		33.36
B45.0		26.55
B60.0		18.68
B75.0		7.60
B90.0		
Total		342.83

IES Flood Report
Photometric Filename: HCP-3365485.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =106.233
[IMax*90%]=95.610
[IMax*80%]=84.986
[IMax*70%]=74.363
[IMax*60%]=63.740
[IMax*50%]=53.117
[IMax*40%]=42.493
[IMax*30%]=31.870
[IMax*20%]=21.247
[IMax*10%]=10.623

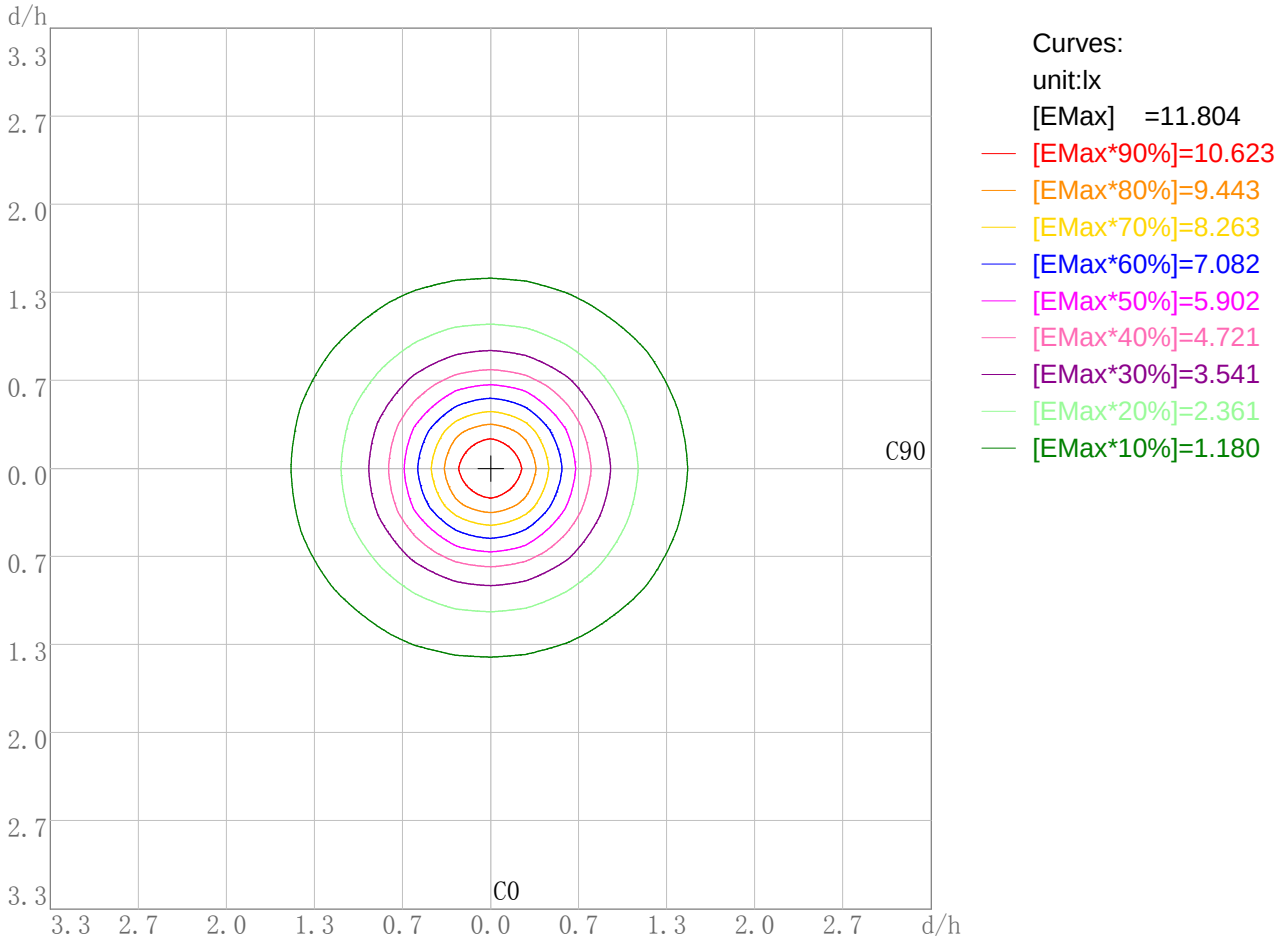
Maximum Light Intensity(cd): 106.23
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365485.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Plane ISO-Illuminance Curve



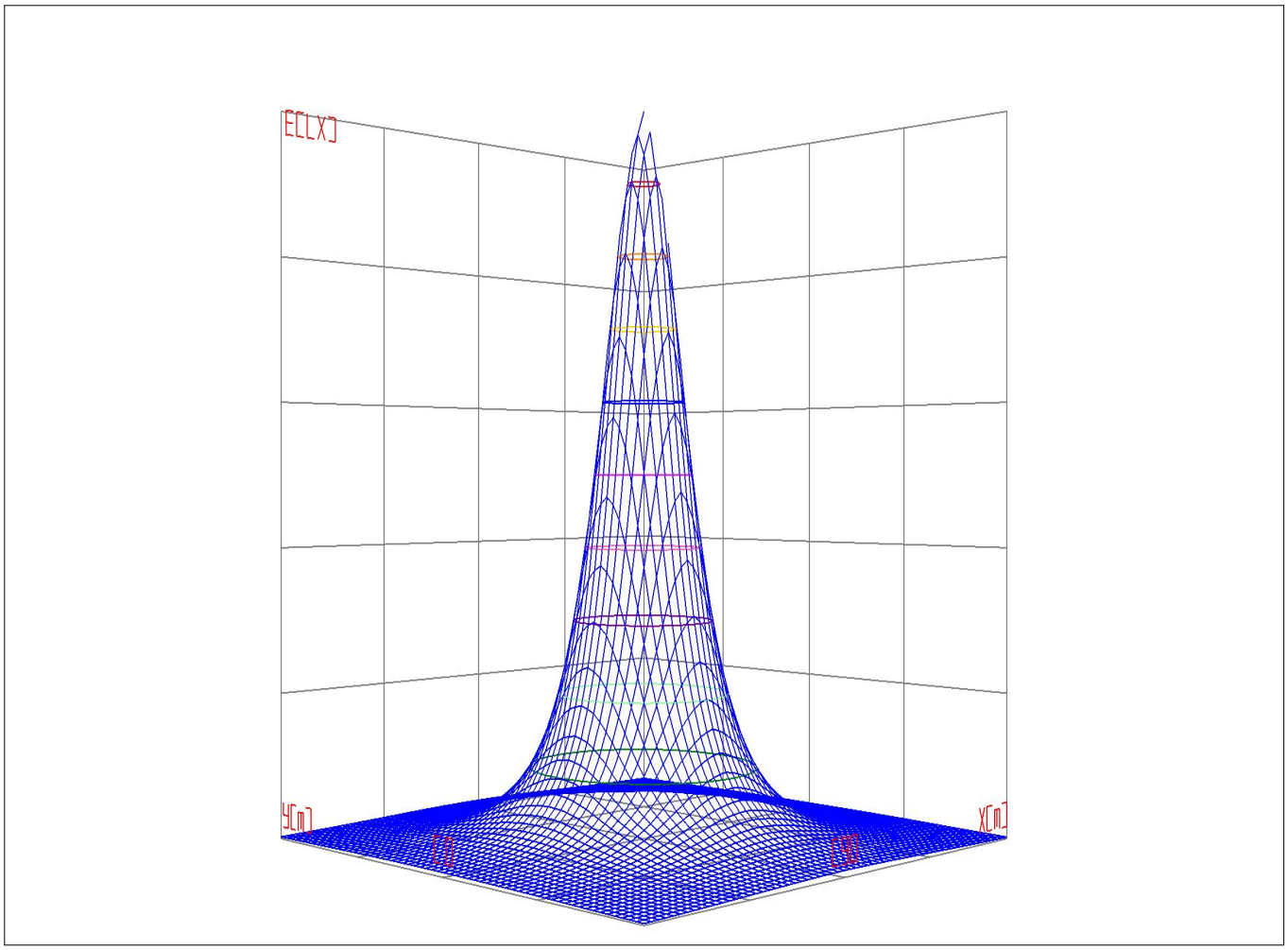
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 11.80
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365485.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

3D Plane Illuminance Modal



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

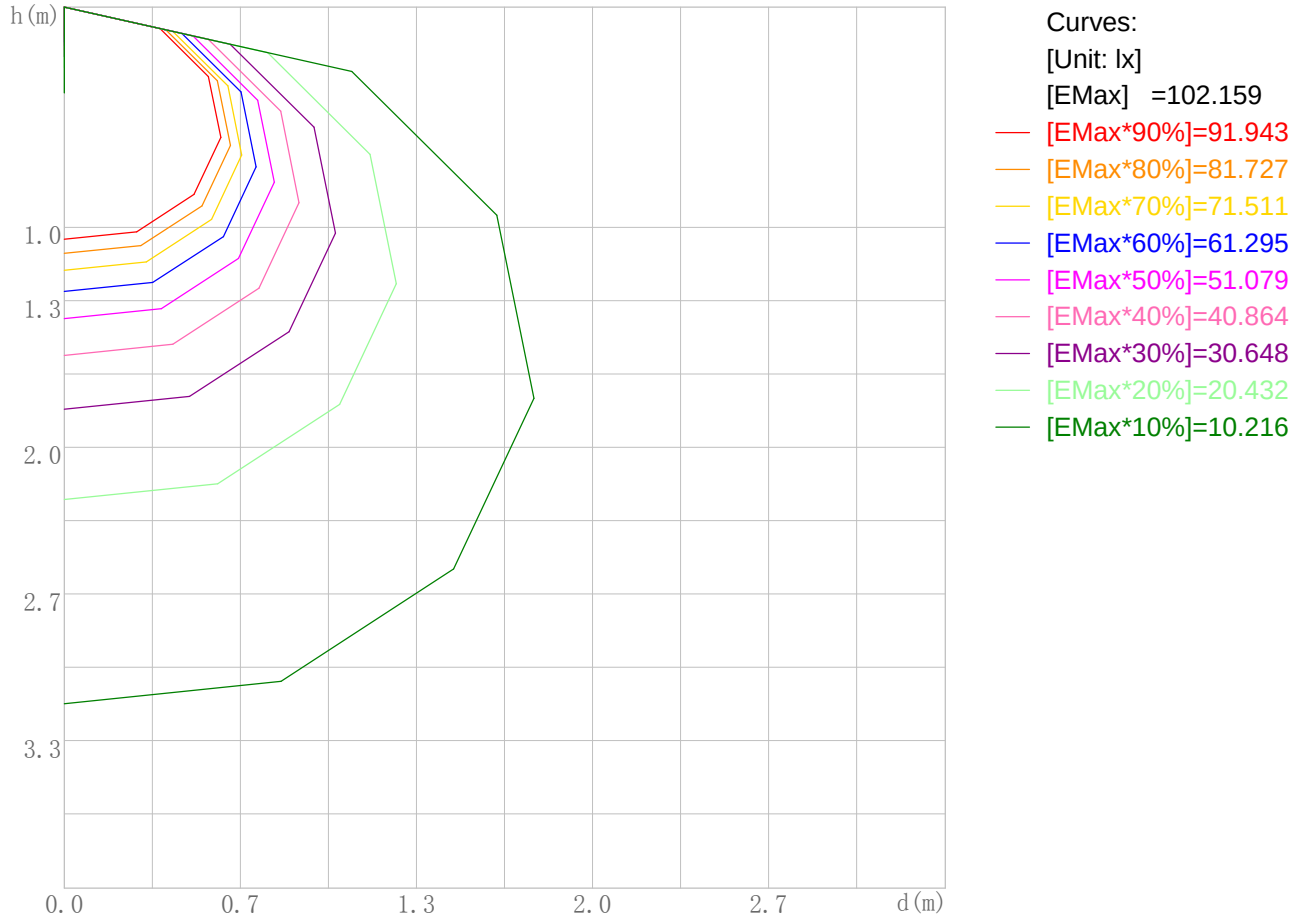
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365485.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Space ISO Illuminance Curve



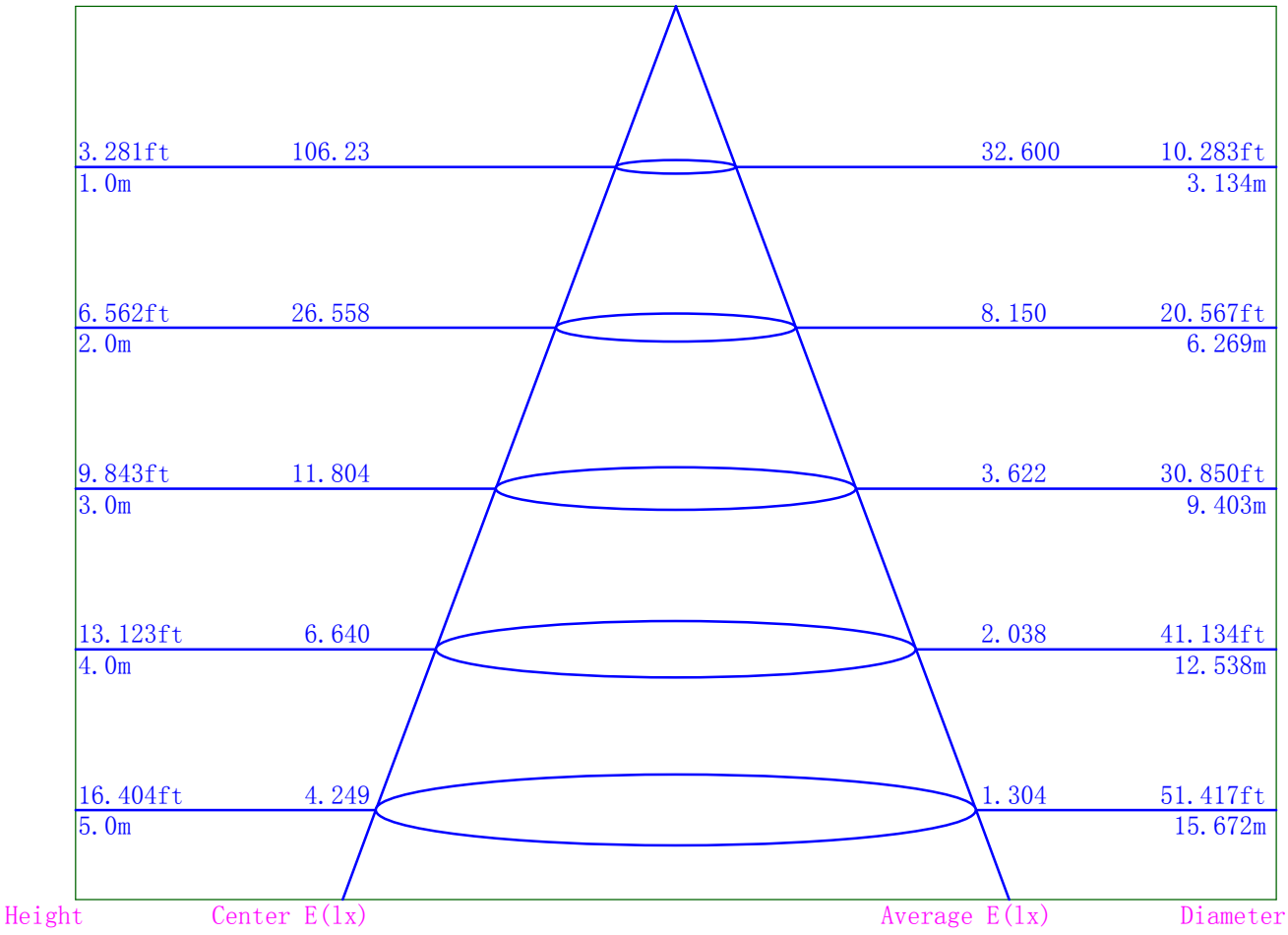
Space Plane Maximum Illuminance and @Angle:102.16lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:106.233cd,0eg

IES Flood Report
Photometric Filename: HCP-3365485.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365485	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Illuminance-Distance Curve



Beam Angle:114.9

IES Flood Report
Photometric Filename: HCP-3365485.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	1.58	4.59	8.37	11.24	13.31	14.65	15.06	14.88	13.69	11.59	8.77	5.42
B-75.0	1.58	7.49	17.11	27.34	34.61	41.14	41.89	41.34	35.28	28.13	18.06	8.72
B-60.0	1.58	11.92	28.79	45.34	52.95	57.47	58.86	57.64	52.77	45.53	29.94	13.60
B-45.0	1.58	16.20	37.96	53.77	66.45	75.69	77.86	75.75	67.00	54.64	38.54	18.32
B-30.0	1.58	19.30	43.40	64.30	80.56	91.43	94.44	91.63	81.19	65.43	44.79	21.72
B-15.0	1.58	21.03	47.43	70.32	88.51	100.21	104.01	100.50	89.30	71.60	48.96	23.56
B0.0	1.58	21.35	48.35	71.62	90.40	102.16	106.23	102.40	91.18	72.97	50.04	24.07
B15.0	1.58	20.71	46.97	69.43	87.77	98.99	103.22	99.23	88.55	70.59	48.61	23.39
B30.0	1.58	18.65	42.17	62.17	78.51	88.14	92.18	88.38	79.21	63.10	43.75	21.21
B45.0	1.58	15.16	35.68	50.82	64.28	71.76	75.29	72.06	64.89	51.63	36.64	17.42
B60.0	1.58	10.83	27.18	40.73	49.89	54.37	56.53	54.55	50.08	41.55	28.19	12.66
B75.0	1.58	6.25	15.43	23.17	31.01	34.67	37.22	34.79	31.21	23.69	16.21	7.95
B90.0	1.58	1.90	2.10	1.82	1.73	1.67	1.63	1.64	1.63	1.66	1.77	1.87

V/H	β 90.0
B-90.0	1.55
B-75.0	1.55
B-60.0	1.55
B-45.0	1.55
B-30.0	1.55
B-15.0	1.55
B0.0	1.55
B15.0	1.55
B30.0	1.55
B45.0	1.55
B60.0	1.55
B75.0	1.55
B90.0	1.55