IES Flood Report
Photometric Filename: HCP-3365192.IES

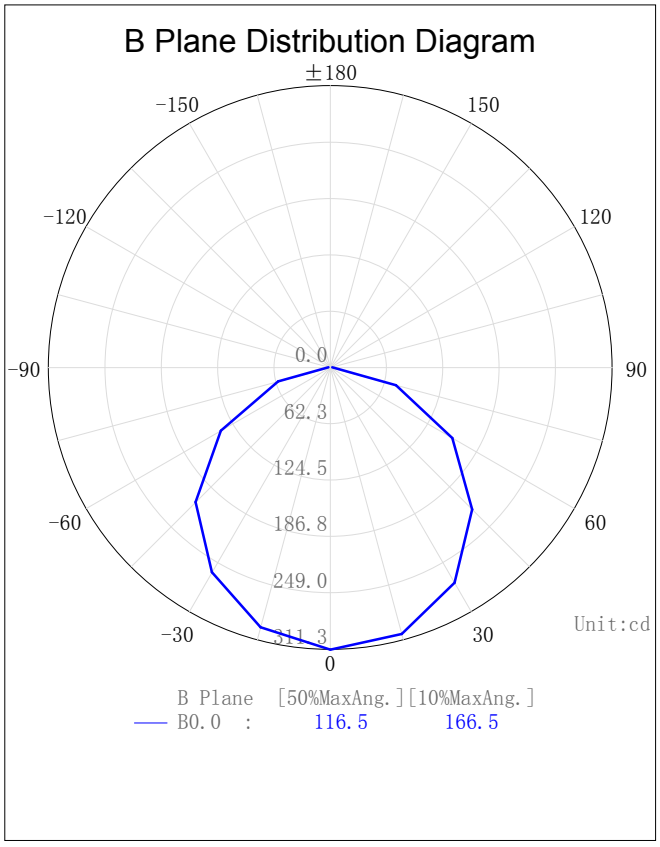
Flood Luminaire Photometric Data

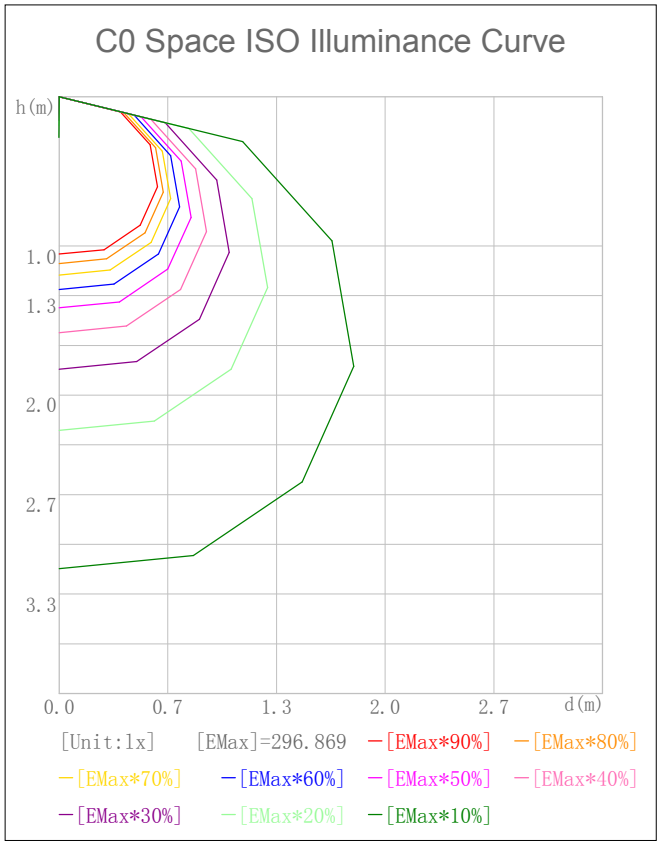
Description Information

Luminary Name: HCP-3365192		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700K		Lamp Catelog:	Test Date: 2019/07/17
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):	1150.800	Luminary Flux(lm):	999.179	Beam Lumens(lm):	729.99
Rated Power(W):		Luminary Efficiency:	86.82%	Beam Efficiency(%):	73.06
Rated Voltage(V):		Luminary EER(lm/W):	54.068	Field Lumens(lm):	986.77
Tested Power(W):	18.480	Max.Candela(cd):	311.302	Field Efficiency(%):	98.76
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	725.566lm
Tested Electrics(V,A,pf):24.0,0.77,0.000		Beam Angle(50%)(V,H):	126.0(°),116.5(°)	IRF(%):	105.813
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.8(°),166.5(°)		





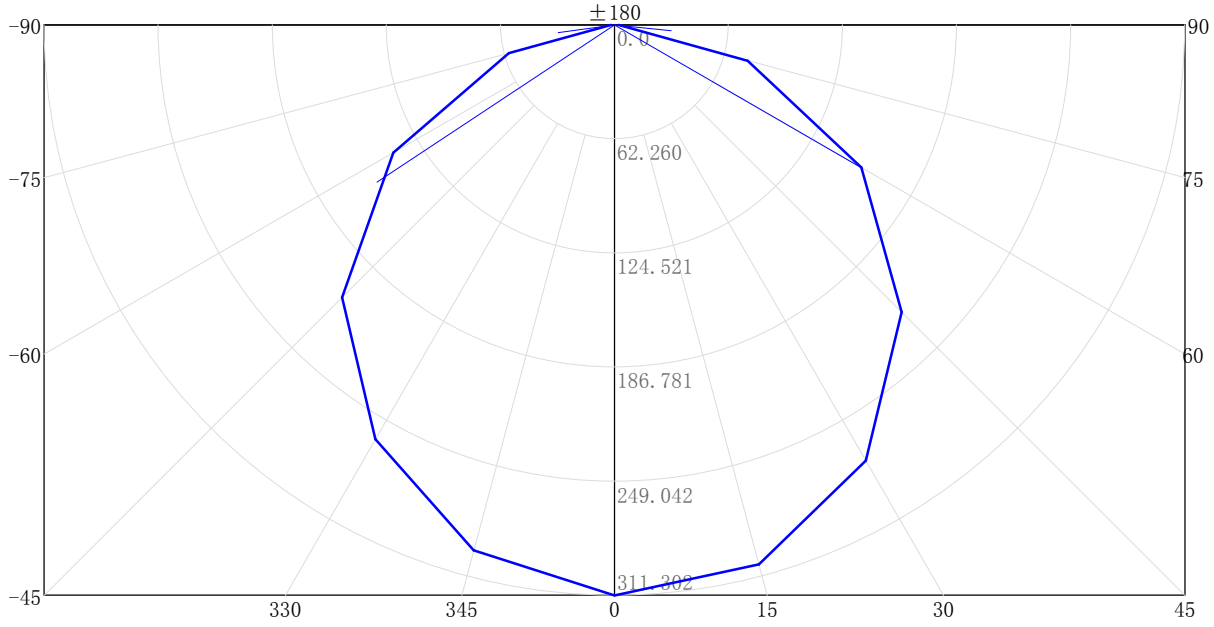
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

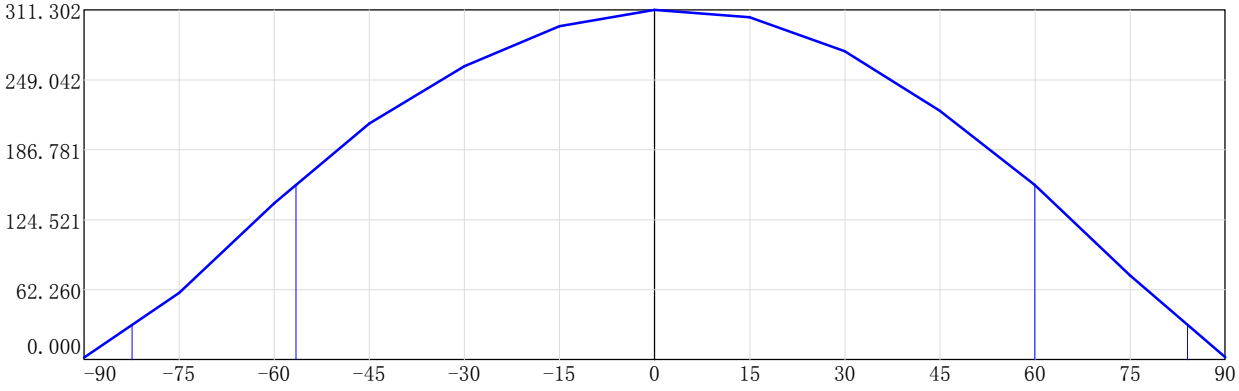
IES Flood Report
Photometric Filename: HCP-3365192.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

B Plane Distribution Diagram





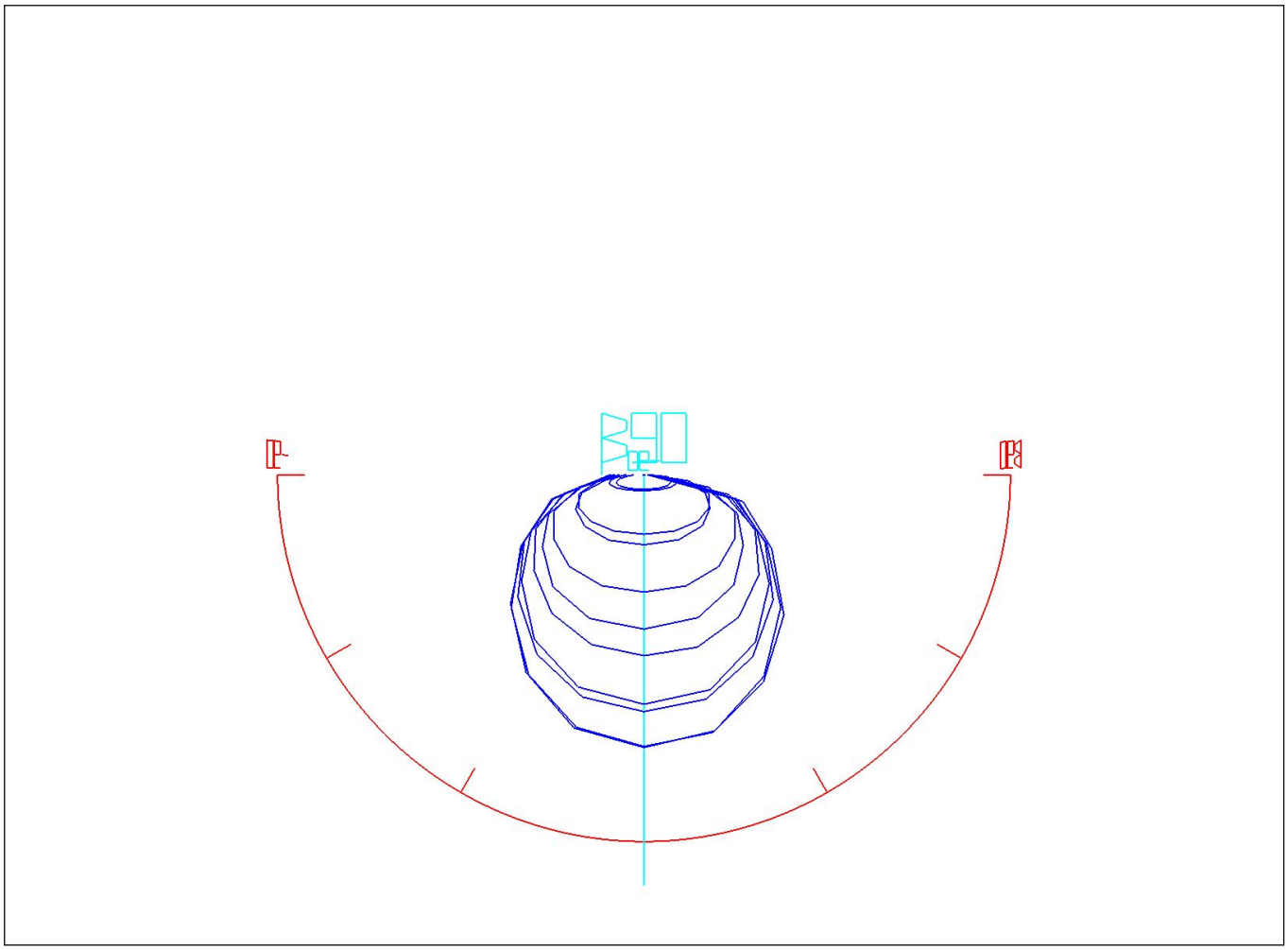
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	116.5	166.5	

IES Flood Report
Photometric Filename: HCP-3365192.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

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-3365192.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	0.08	0.64	1.76	3.11	4.29	4.98	5.07	4.48	3.35	2.04	0.88	0.12
B-75.0	0.12	1.15	3.30	5.82	7.87	9.08	9.24	8.18	6.10	3.63	1.44	0.18
B-60.0	0.18	1.69	4.73	8.14	10.93	12.57	12.76	11.30	8.46	5.07	2.01	0.24
B-45.0	0.23	2.11	5.83	10.10	13.75	15.94	16.16	14.21	10.54	6.26	2.47	0.30
B-30.0	0.26	2.42	6.73	11.75	16.08	18.72	18.96	16.64	12.29	7.23	2.81	0.33
B-15.0	0.27	2.57	7.18	12.59	17.33	20.24	20.49	17.96	13.23	7.73	2.98	0.34
B0.0	0.27	2.56	7.16	12.61	17.42	20.39	20.65	18.08	13.29	7.74	2.97	0.34
B15.0	0.25	2.39	6.67	11.78	16.30	19.11	19.35	16.94	12.46	7.25	2.79	0.32
B30.0	0.22	2.06	5.73	10.12	14.02	16.47	16.68	14.62	10.78	6.27	2.43	0.28
B45.0	0.17	1.64	4.62	8.12	11.12	13.00	13.19	11.63	8.67	5.08	1.96	0.22
B60.0	0.11	1.11	3.22	5.76	7.94	9.35	9.52	8.38	6.24	3.62	1.38	0.16
B75.0	0.05	0.46	1.27	2.32	3.31	4.01	4.14	3.64	2.68	1.55	0.62	0.08
B90.0												
Total	2.21	20.81	58.22	102.22	140.37	163.87	166.22	146.06	108.09	63.46	24.74	2.92

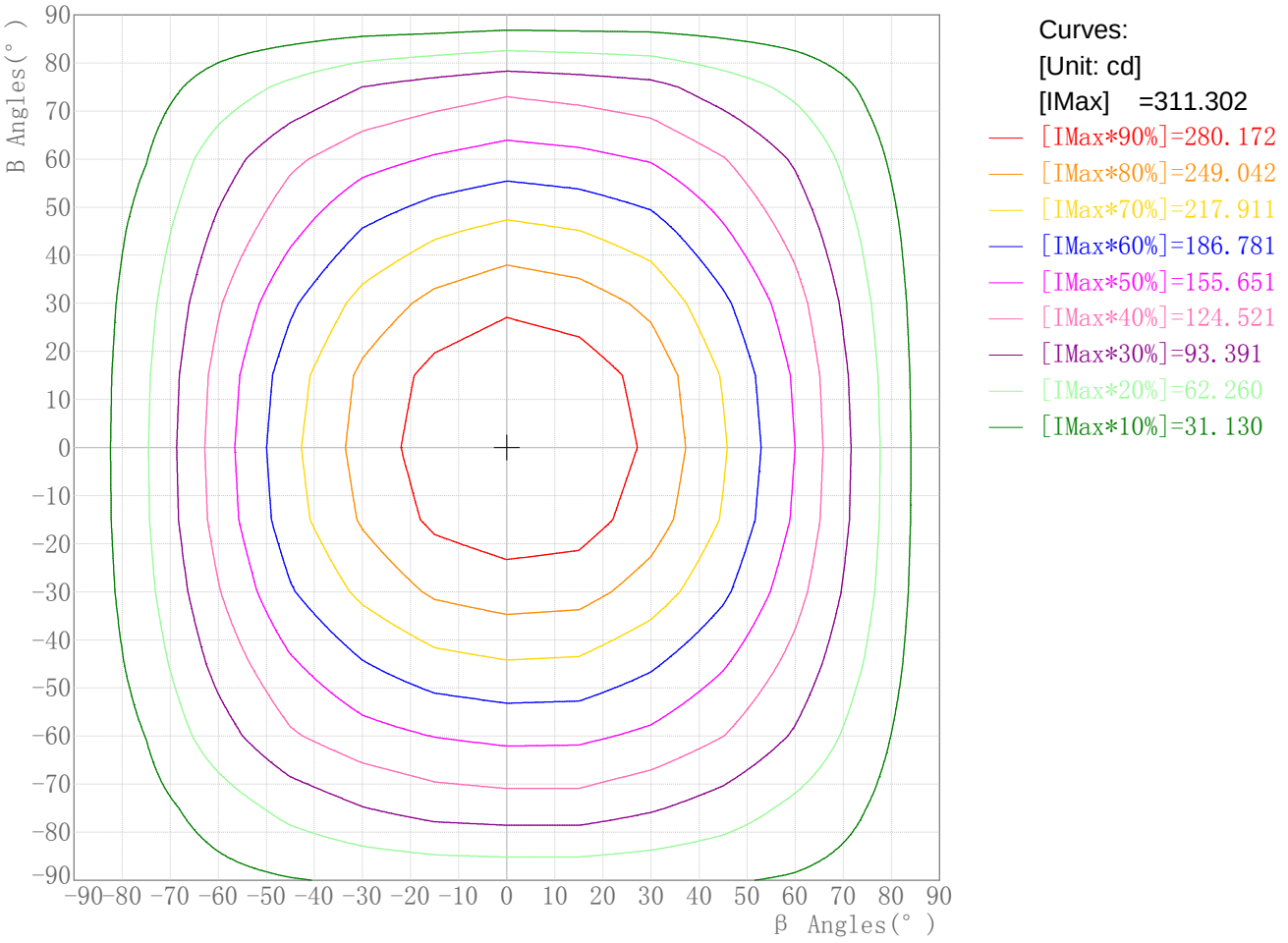
β 90.0	Total
B-90.0	30.80
B-75.0	56.12
B-60.0	78.09
B-45.0	97.90
B-30.0	114.23
B-15.0	122.92
B0.0	123.48
B15.0	115.60
B30.0	99.68
B45.0	79.43
B60.0	56.80
B75.0	24.14
B90.0	
Total	999.18

IES Flood Report
Photometric Filename: HCP-3365192.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

ISO Lighting Intensity Curve



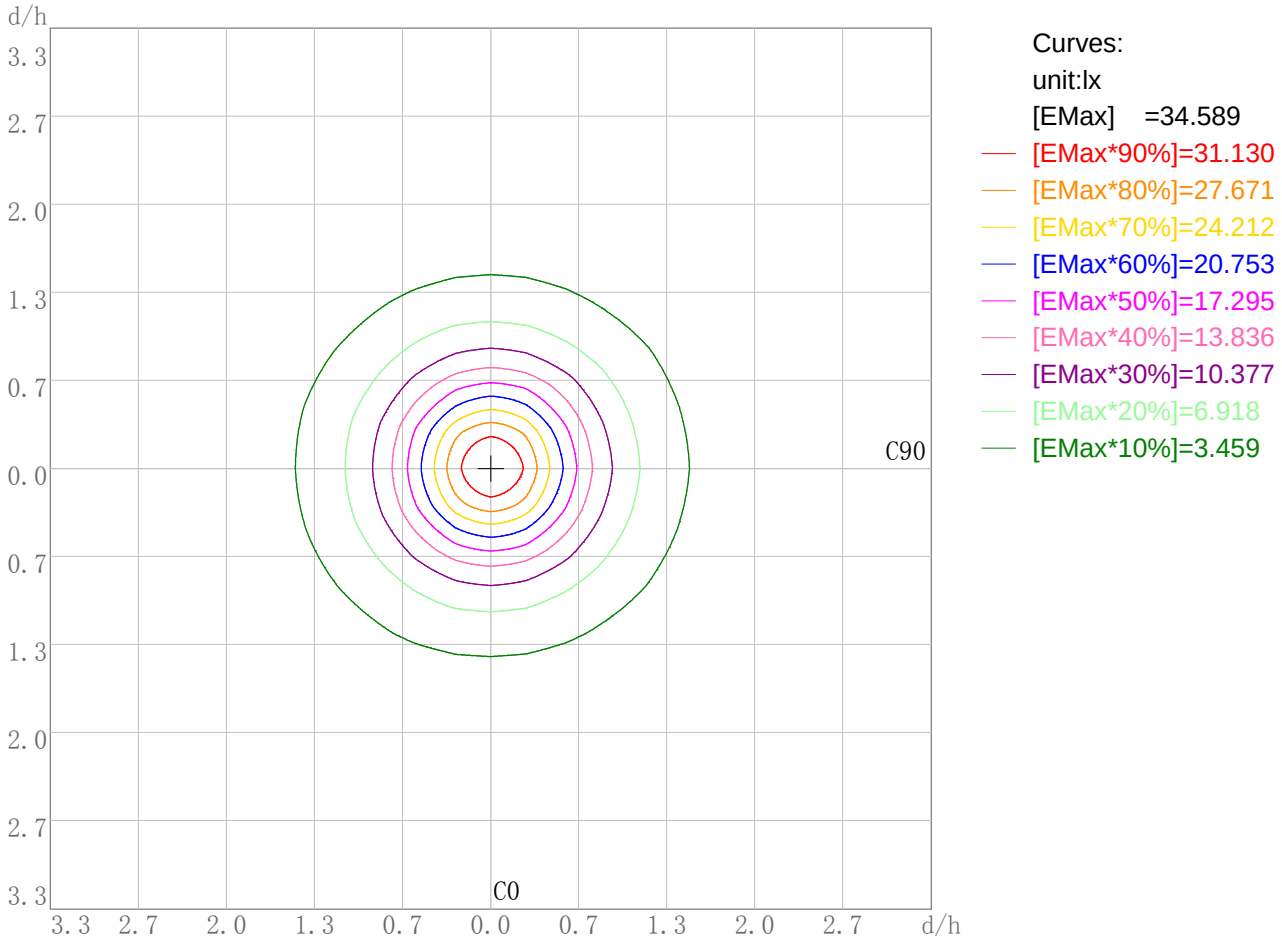
Maximum Light Intensity(cd): 311.30
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365192.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

Plane ISO-Illuminance Curve



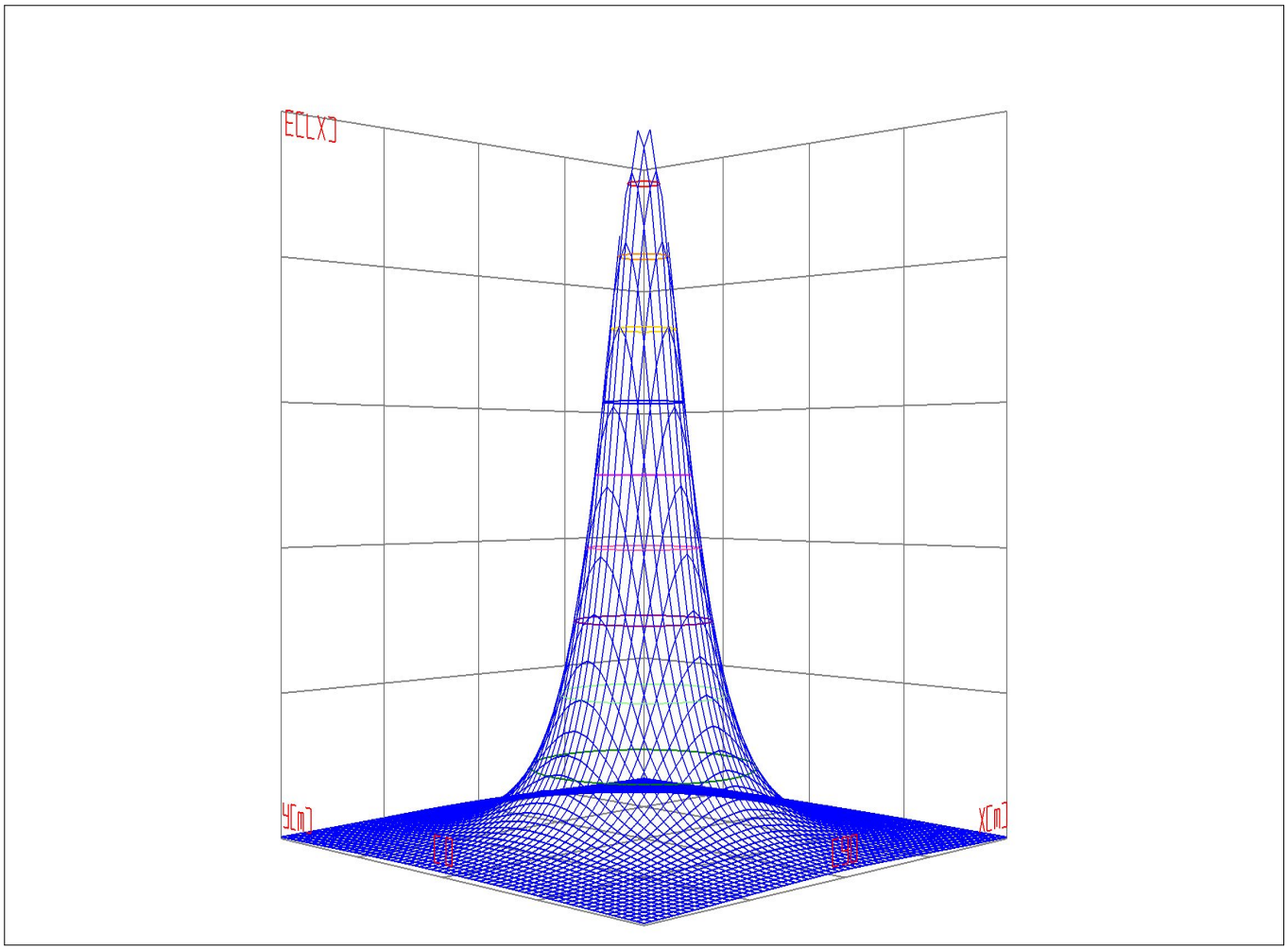
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 34.59
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365192.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

3D Plane Illuminance Modal



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

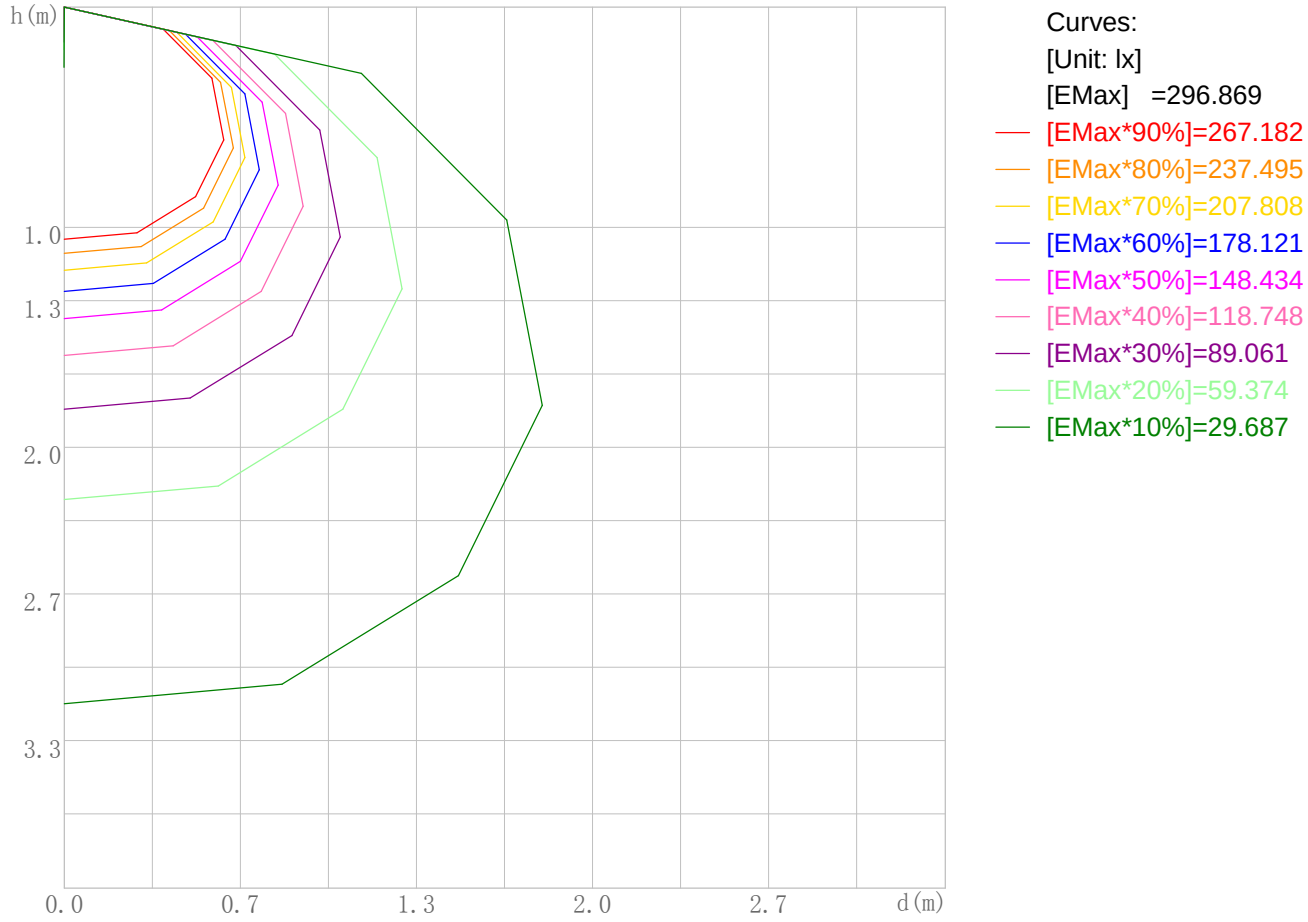
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365192.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

Space ISO Illuminance Curve



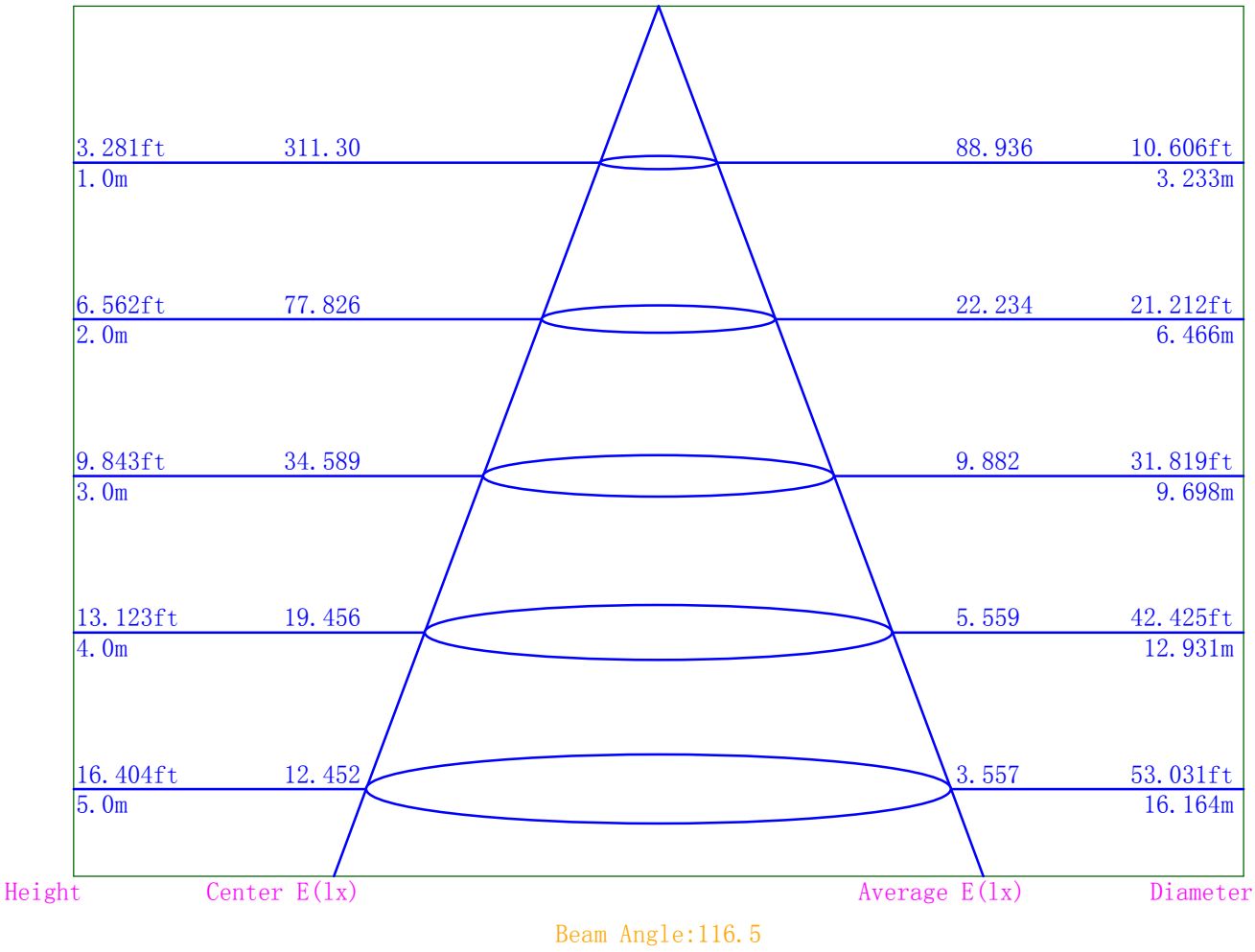
Space Plane Maximum Illuminance and @Angle:296.87lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:311.302cd,0eg

IES Flood Report
Photometric Filename: HCP-3365192.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365192	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

Illuminance-Distance Curve



Beam Angle:116.5

IES Flood Report
Photometric Filename: HCP-3365192.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	1.91	11.47	21.81	29.42	35.28	38.25	39.59	39.18	37.49	33.45	28.19	20.17
B-75.0	1.91	19.36	45.17	72.43	92.25	106.25	110.13	110.35	96.86	79.24	54.97	30.74
B-60.0	1.91	31.66	79.51	120.60	143.78	156.53	163.02	162.12	149.07	124.91	89.76	44.95
B-45.0	1.91	43.92	103.30	151.29	184.72	207.43	215.28	212.99	191.46	158.98	113.92	58.91
B-30.0	1.91	53.36	122.41	183.94	225.18	254.00	264.50	261.06	234.46	192.98	135.84	69.12
B-15.0	1.91	58.55	136.10	204.85	252.74	286.96	299.53	294.33	264.21	215.29	150.91	74.30
B0.0	1.91	59.61	139.39	210.13	261.11	296.87	311.30	304.66	274.44	221.72	155.48	75.26
B15.0	1.91	57.68	135.18	203.76	255.40	289.97	305.50	297.47	268.82	215.45	151.31	72.61
B30.0	1.91	51.97	121.17	181.49	228.52	258.41	274.00	265.25	241.73	193.17	136.74	65.68
B45.0	1.91	42.49	100.11	148.19	188.67	212.60	226.97	218.49	200.70	159.48	113.53	55.04
B60.0	1.91	30.22	78.08	117.94	144.18	158.93	169.17	164.24	153.29	126.11	89.44	41.08
B75.0	1.91	16.94	44.59	69.13	93.54	106.53	117.52	111.09	102.51	78.13	54.45	26.43
B90.0	1.91	3.77	4.59	3.82	4.55	4.94	7.91	8.02	8.84	8.30	7.87	6.48

V/H	β 90.0
B-90.0	2.22
B-75.0	2.22
B-60.0	2.22
B-45.0	2.22
B-30.0	2.22
B-15.0	2.22
B0.0	2.22
B15.0	2.22
B30.0	2.22
B45.0	2.22
B60.0	2.22
B75.0	2.22
B90.0	2.22