IES Flood Report
Photometric Filename: HCP-3355142.IES

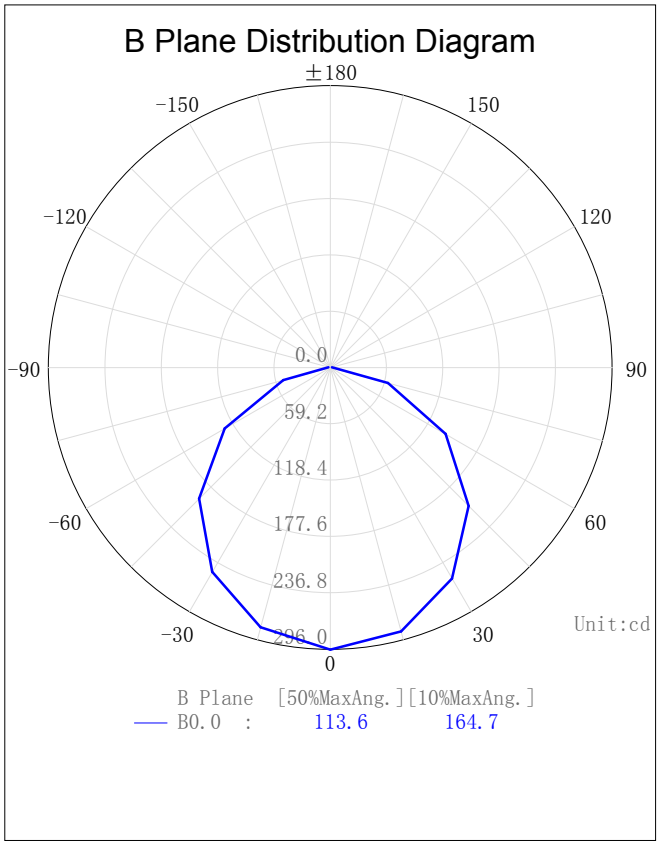
Flood Luminaire Photometric Data

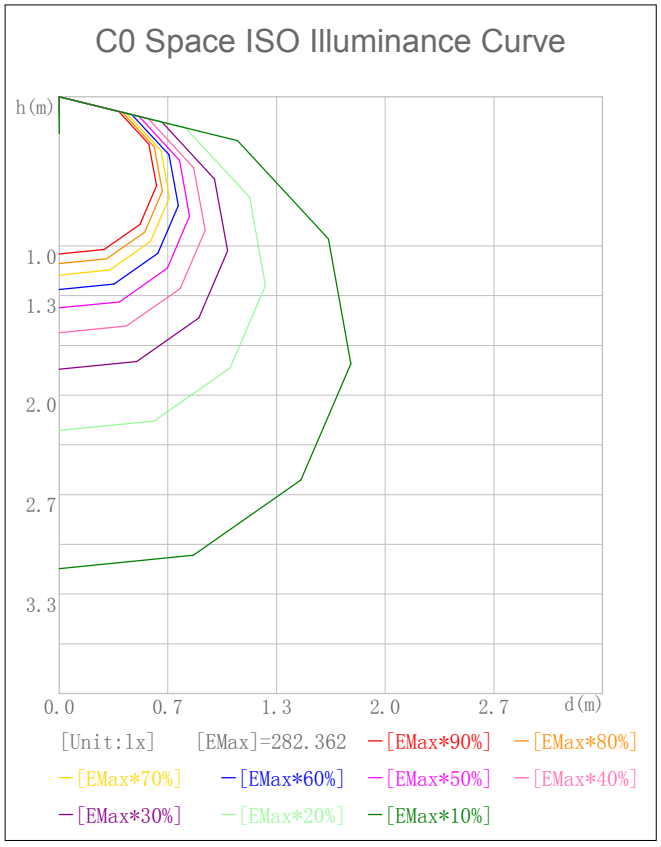
Description Information

Luminary Name: HCP-3355142		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700k		Lamp Catelog:	Test Date: 2019/07/08
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):	903.470	Luminary Flux(lm):	909.740	Beam Lumens(lm):	667.84
Rated Power(W):		Luminary Efficiency:	100.69%	Beam Efficiency(%):	73.41
Rated Voltage(V):		Luminary EER(lm/W):	63.618	Field Lumens(lm):	894.10
Tested Power(W):	14.300	Max.Candela(cd):	295.998	Field Efficiency(%):	98.28
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	683.243lm
Tested Electrics(V,A,pf):24.0,0.589,0.000		Beam Angle(50%)(V,H):	122.3(°),113.6(°	IRF(%):	106.597
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	175.1(°),164.7(°)		





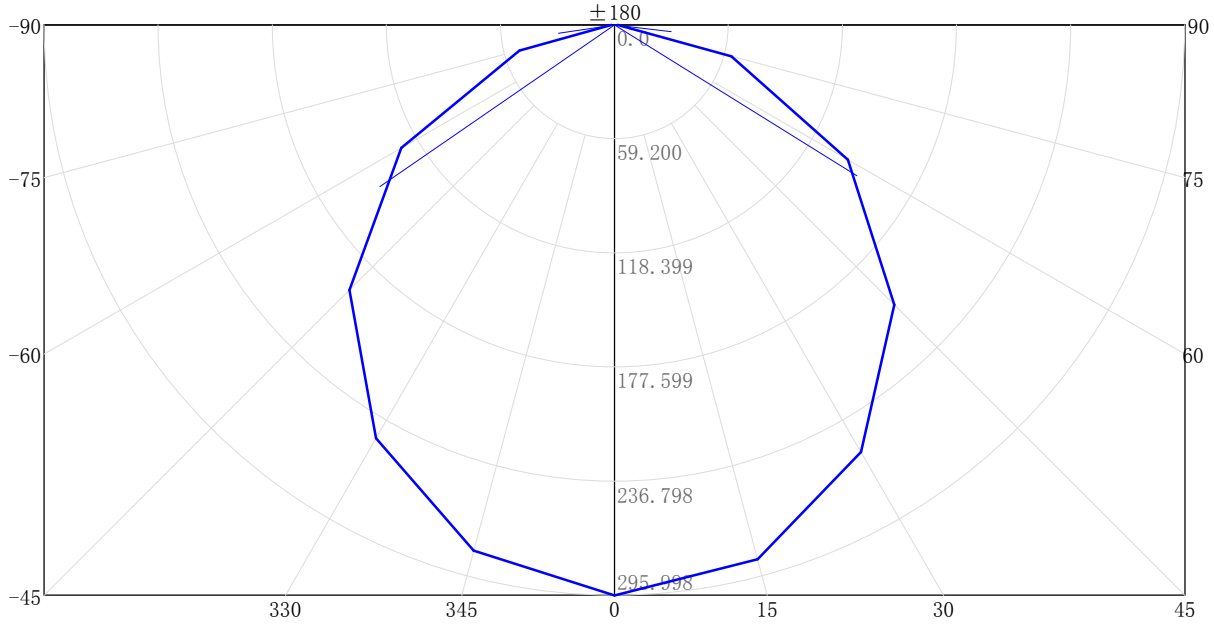
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

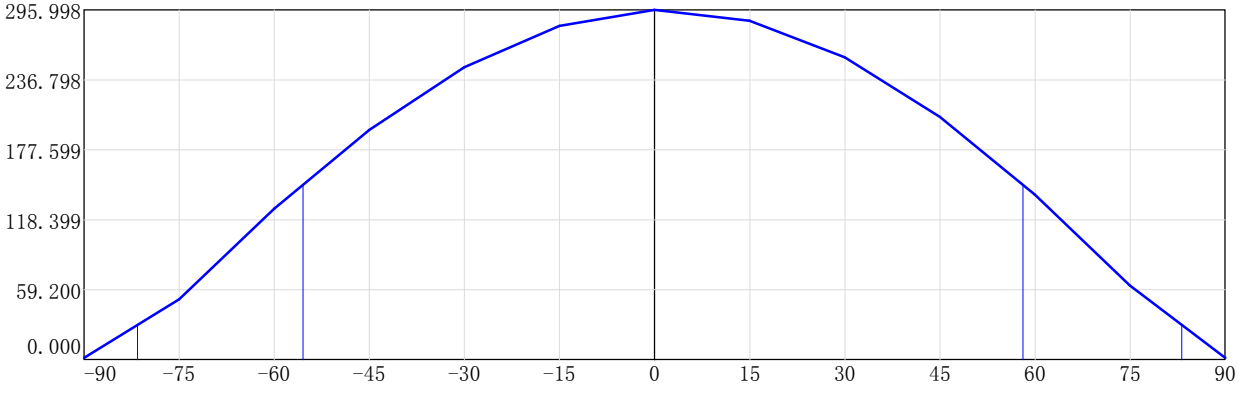
IES Flood Report
Photometric Filename: HCP-3355142.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

B Plane Distribution Diagram





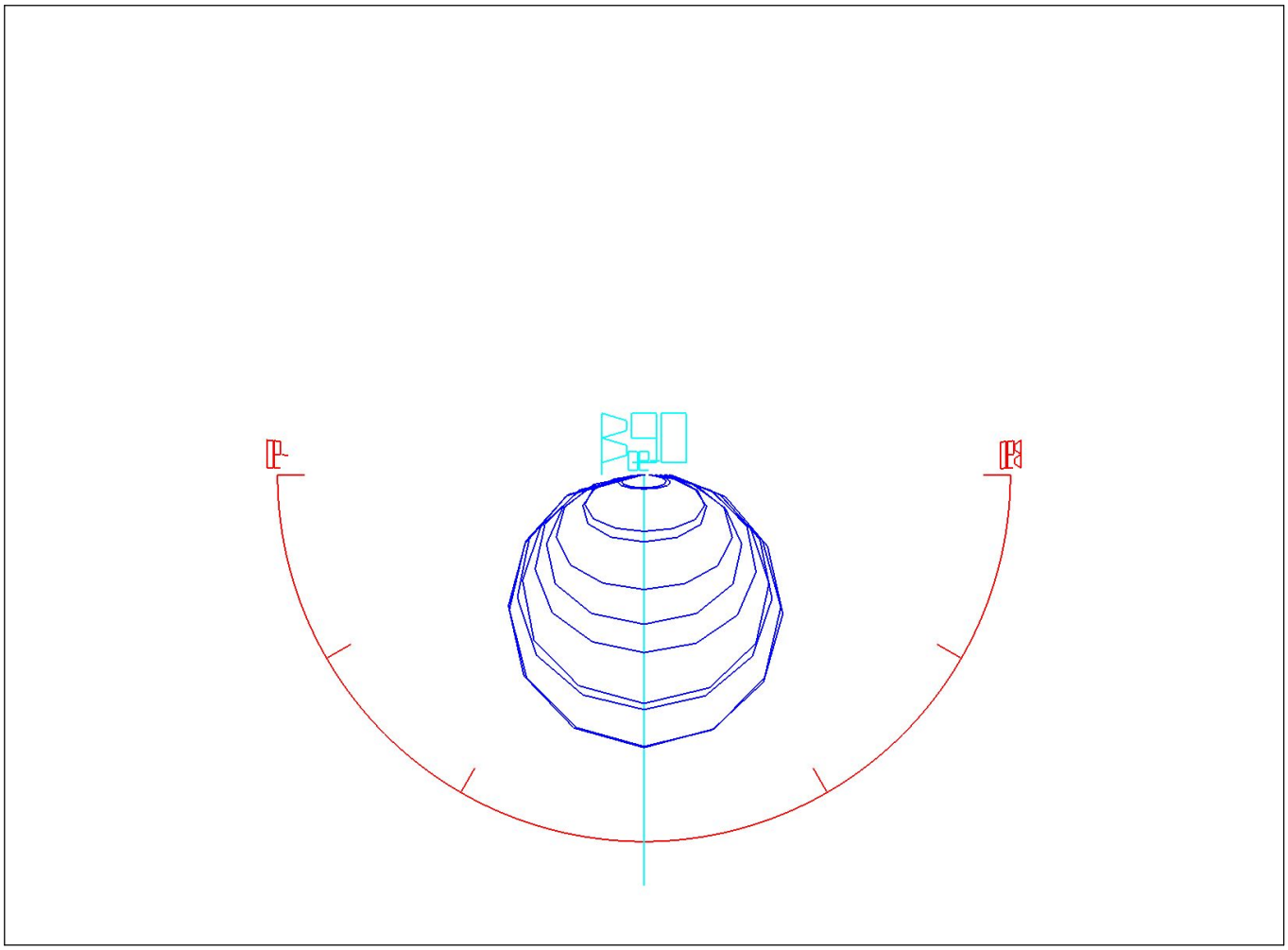
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
———	B0.0 :	113.6	164.7	

IES Flood Report
Photometric Filename: HCP-3355142.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

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-3355142.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	0.04	0.31	0.94	1.76	2.53	2.99	3.02	2.59	1.83	1.00	0.35	0.05	
B-75.0	0.08	0.82	2.56	4.74	6.75	7.94	7.99	6.90	4.95	2.74	0.94	0.10	
B-60.0	0.13	1.34	4.02	7.28	10.19	11.92	12.00	10.43	7.59	4.32	1.53	0.16	
B-45.0	0.18	1.81	5.29	9.47	13.18	15.40	15.52	13.49	9.87	5.68	2.06	0.22	
B-30.0	0.21	2.14	6.18	11.03	15.35	17.95	18.08	15.71	11.49	6.62	2.42	0.26	
B-15.0	0.23	2.30	6.60	11.79	16.45	19.25	19.40	16.83	12.29	7.07	2.60	0.28	
B0.0	0.23	2.30	6.61	11.82	16.49	19.31	19.46	16.89	12.34	7.09	2.61	0.28	
B15.0	0.21	2.15	6.21	11.11	15.47	18.11	18.26	15.86	11.61	6.67	2.45	0.26	
B30.0	0.18	1.83	5.34	9.59	13.37	15.65	15.79	13.72	10.04	5.75	2.09	0.22	
B45.0	0.13	1.36	4.06	7.40	10.37	12.17	12.28	10.66	7.76	4.39	1.58	0.17	
B60.0	0.08	0.84	2.58	4.83	6.86	8.11	8.19	7.08	5.10	2.82	0.99	0.11	
B75.0	0.04	0.40	1.20	2.27	3.30	3.96	4.01	3.43	2.42	1.32	0.46	0.05	
B90.0													
Total	1.76	17.61	51.60	93.09	130.30	152.75	154.01	133.58	97.30	55.47	20.10	2.17	

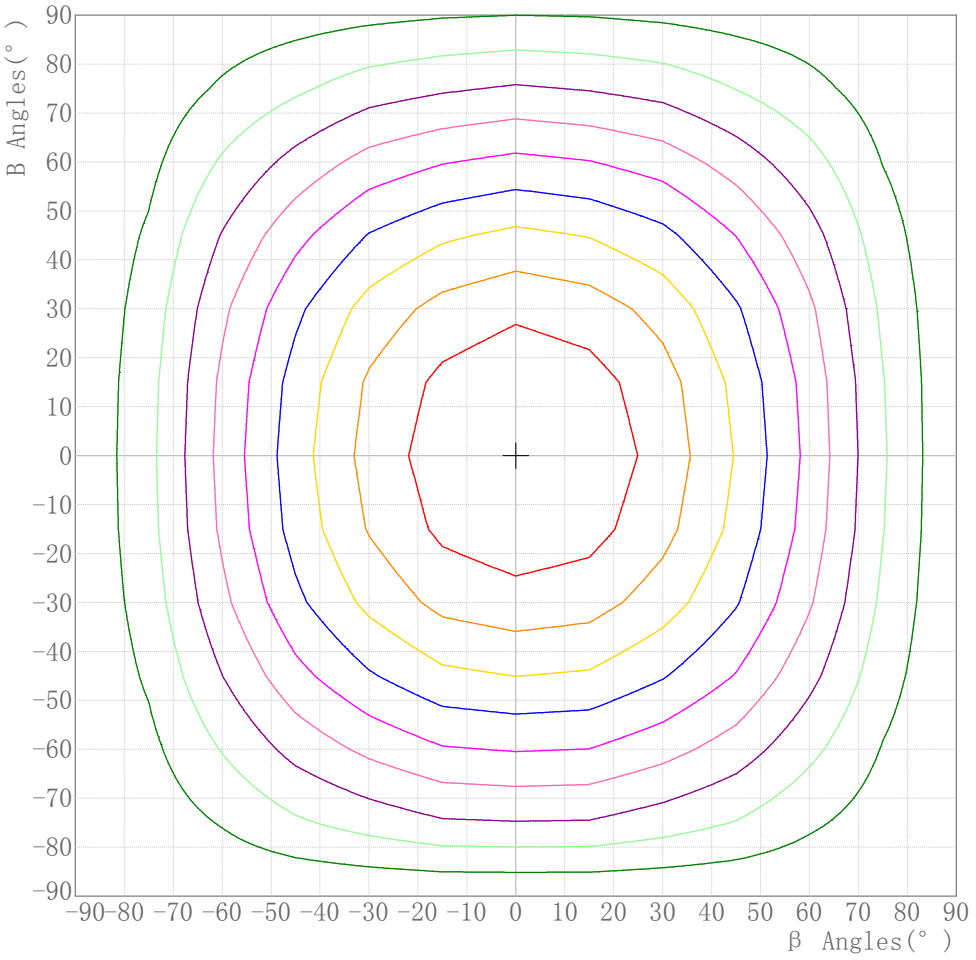
	β 90.0	Total
B-90.0		17.42
B-75.0		46.52
B-60.0		70.91
B-45.0		92.17
B-30.0		107.44
B-15.0		115.10
B0.0		115.44
B15.0		108.38
B30.0		93.56
B45.0		72.32
B60.0		47.60
B75.0		22.87
B90.0		
Total		909.74

IES Flood Report
Photometric Filename: HCP-3355142.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =295.998
[IMax*90%]=266.398
[IMax*80%]=236.798
[IMax*70%]=207.199
[IMax*60%]=177.599
[IMax*50%]=147.999
[IMax*40%]=118.399
[IMax*30%]=88.799
[IMax*20%]=59.200
[IMax*10%]=29.600

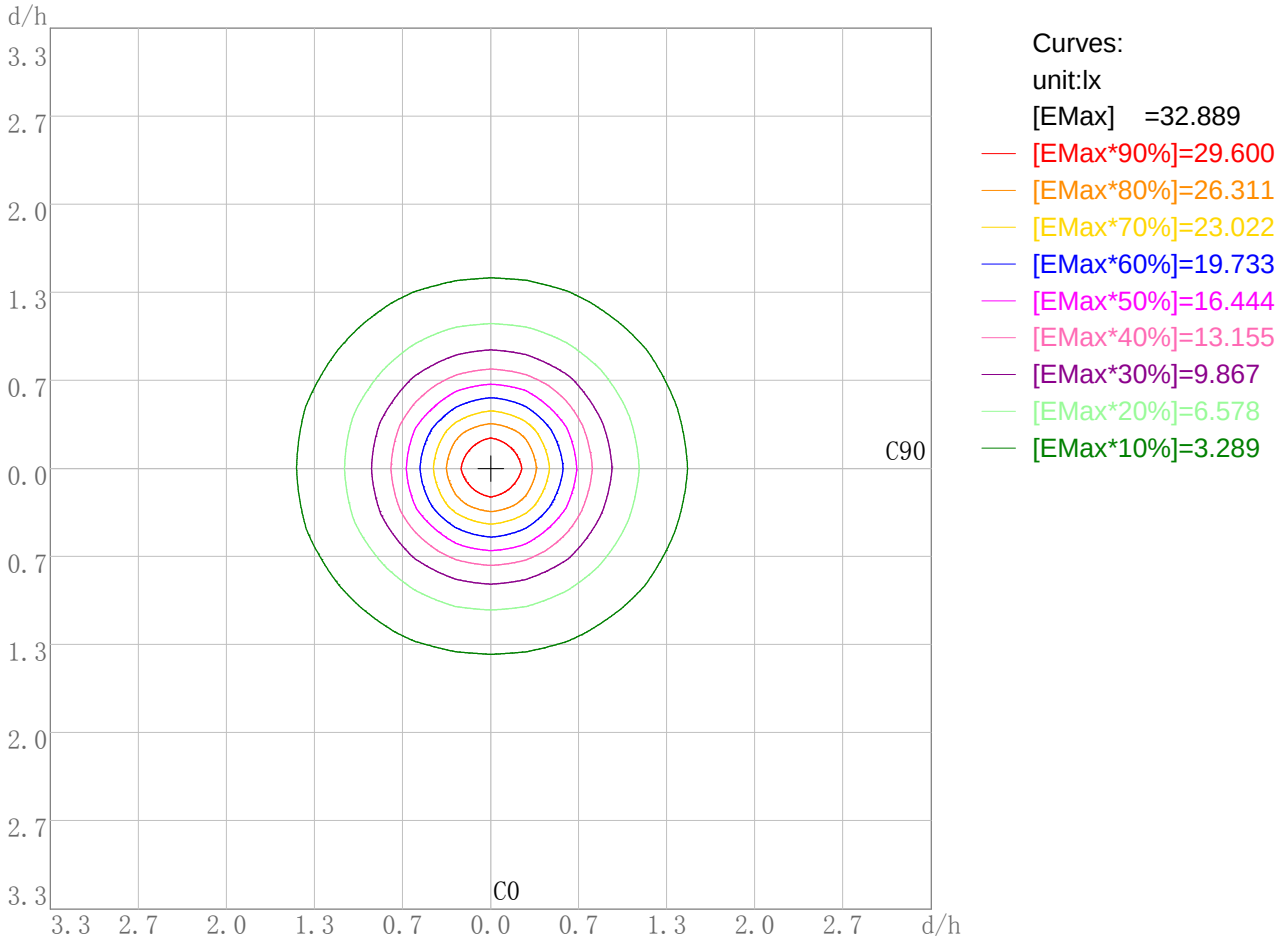
Maximum Light Intensity(cd): 296.00
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355142.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Plane ISO-Illuminance Curve



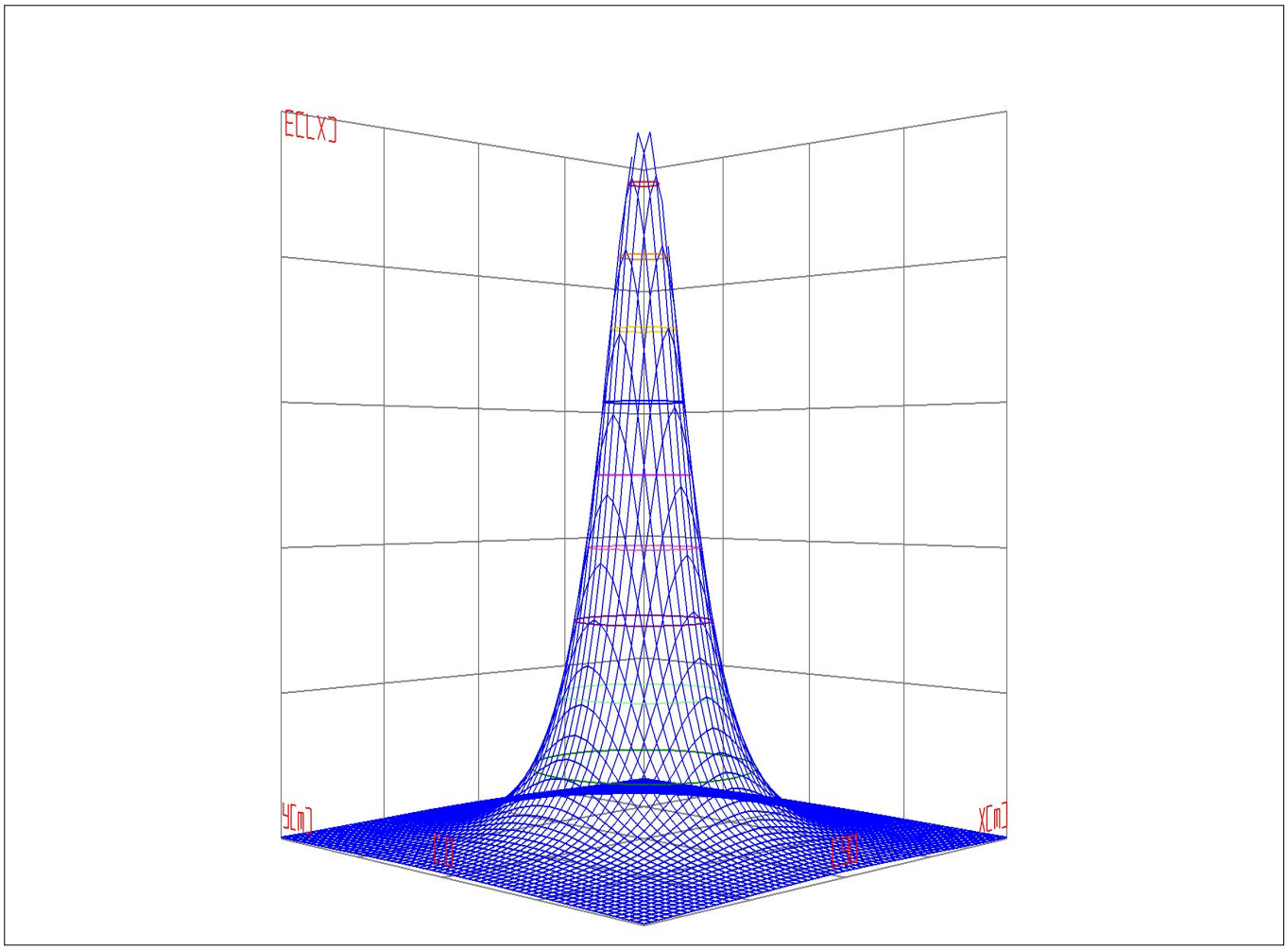
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 32.89
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355142.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

3D Plane Illuminance Modal



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

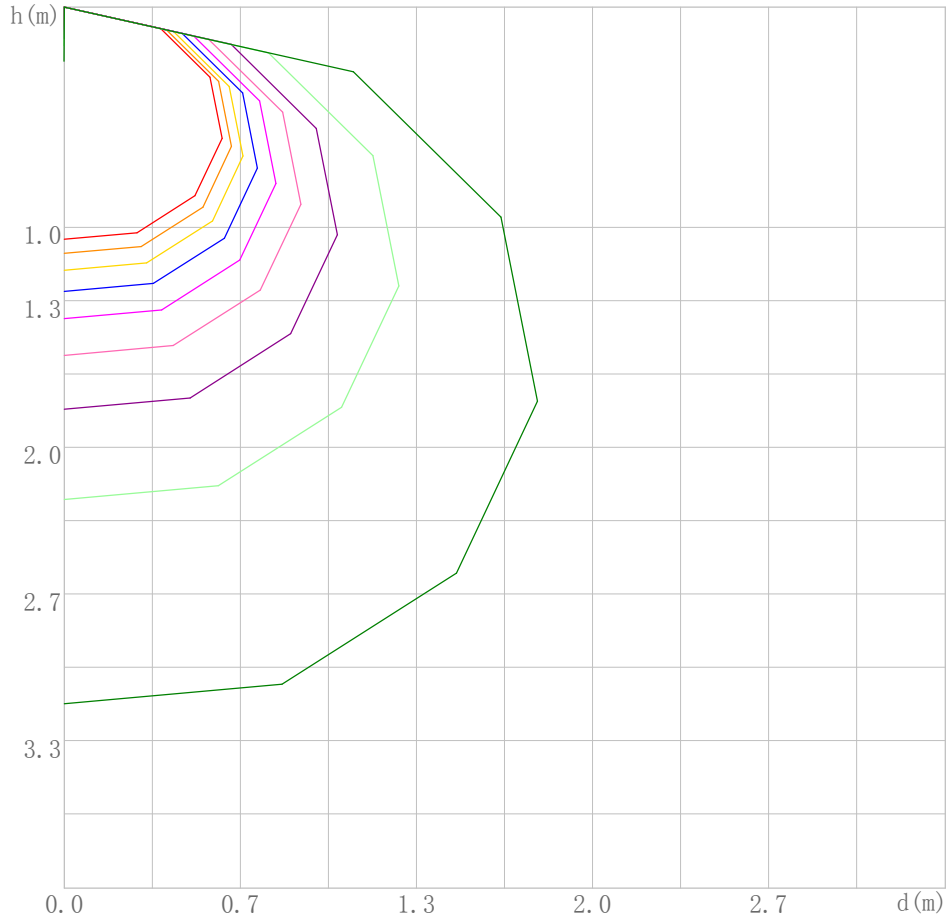
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355142.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture:HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =282.362
[EMax*90%]=254.126
[EMax*80%]=225.890
[EMax*70%]=197.653
[EMax*60%]=169.417
[EMax*50%]=141.181
[EMax*40%]=112.945
[EMax*30%]=84.709
[EMax*20%]=56.472
[EMax*10%]=28.236

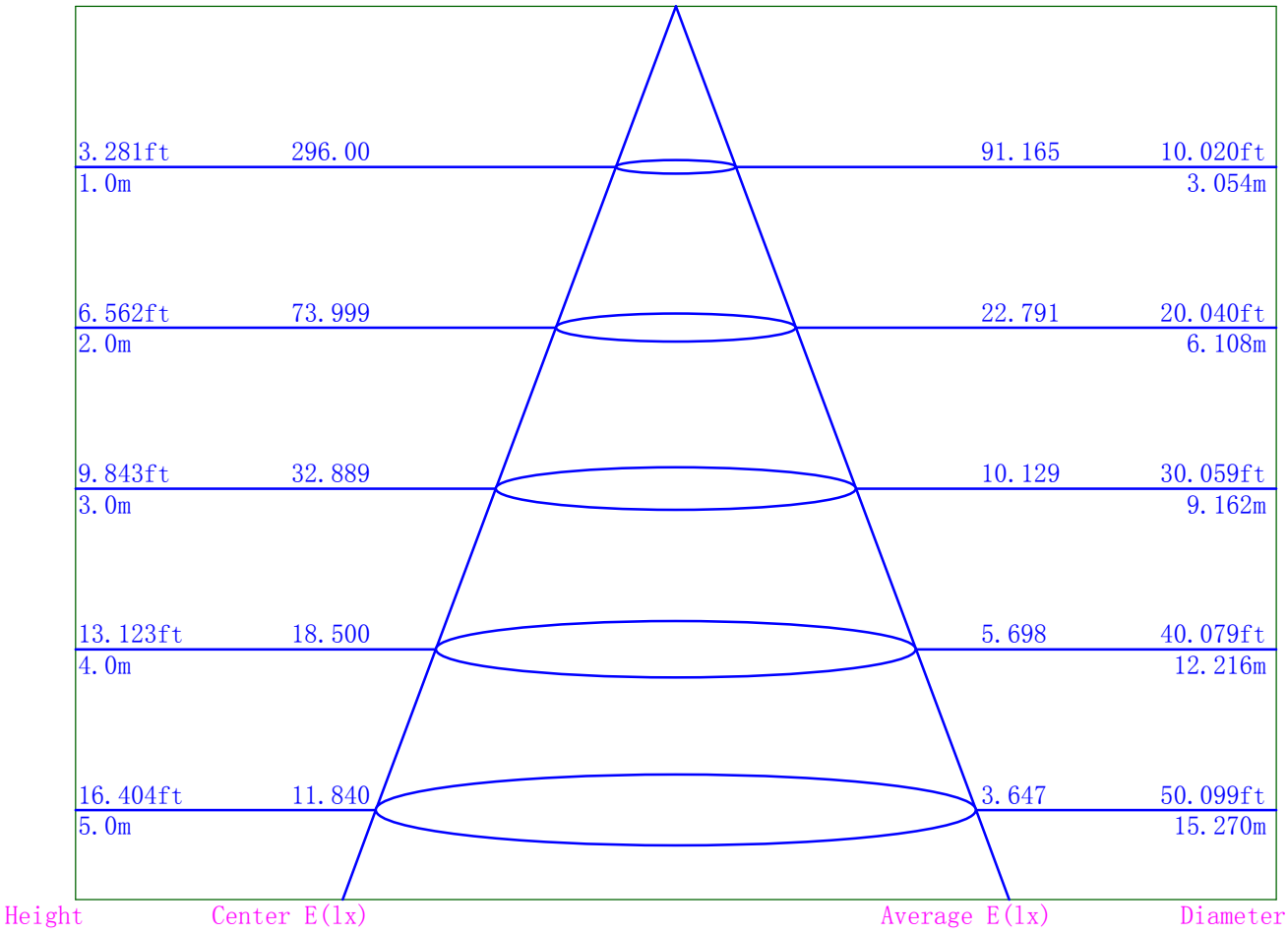
Space Plane Maximum Illuminance and @Angle:282.36lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:295.998cd,0eg

IES Flood Report
Photometric Filename: HCP-3355142.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Illuminance-Distance Curve



Beam Angle:113.6

IES Flood Report
Photometric Filename: HCP-3355142.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	1.72	2.27	2.48	1.95	1.92	1.91	1.87	1.92	1.91	1.91	2.02	2.59
B-75.0	1.72	11.45	31.64	54.67	71.20	85.42	87.56	86.68	73.56	57.82	34.74	14.58
B-60.0	1.72	22.18	60.79	98.72	125.33	145.53	149.96	147.65	129.35	104.33	66.81	27.95
B-45.0	1.72	33.74	88.49	138.62	174.33	200.42	207.56	203.49	179.94	146.45	97.29	41.98
B-30.0	1.72	43.33	111.03	170.82	214.84	245.61	255.78	249.40	221.76	180.20	121.70	53.33
B-15.0	1.72	49.28	123.83	188.88	239.00	272.88	285.11	277.16	246.59	199.08	135.26	60.33
B0.0	1.72	51.10	127.71	194.50	247.55	282.36	296.00	286.92	255.79	205.42	139.76	62.73
B15.0	1.72	49.00	124.24	189.01	240.88	273.74	287.76	278.34	249.07	199.91	136.41	60.63
B30.0	1.72	42.92	112.37	171.16	218.34	246.99	260.63	251.40	226.19	181.38	123.86	53.76
B45.0	1.72	33.49	90.46	138.97	179.16	202.19	214.10	205.87	185.64	147.55	100.12	42.50
B60.0	1.72	22.07	62.55	98.37	129.34	146.24	155.66	149.08	134.50	105.06	69.81	28.73
B75.0	1.72	11.04	33.44	54.05	74.42	84.86	92.05	86.90	77.96	58.50	37.90	15.41
B90.0	1.72	4.81	11.57	16.68	22.43	27.23	29.48	28.28	23.99	17.99	12.48	5.18

V/H	β 90.0
B-90.0	1.71
B-75.0	1.71
B-60.0	1.71
B-45.0	1.71
B-30.0	1.71
B-15.0	1.71
B0.0	1.71
B15.0	1.71
B30.0	1.71
B45.0	1.71
B60.0	1.71
B75.0	1.71
B90.0	1.71