IES Flood Report
Photometric Filename: HCP-3365142.IES

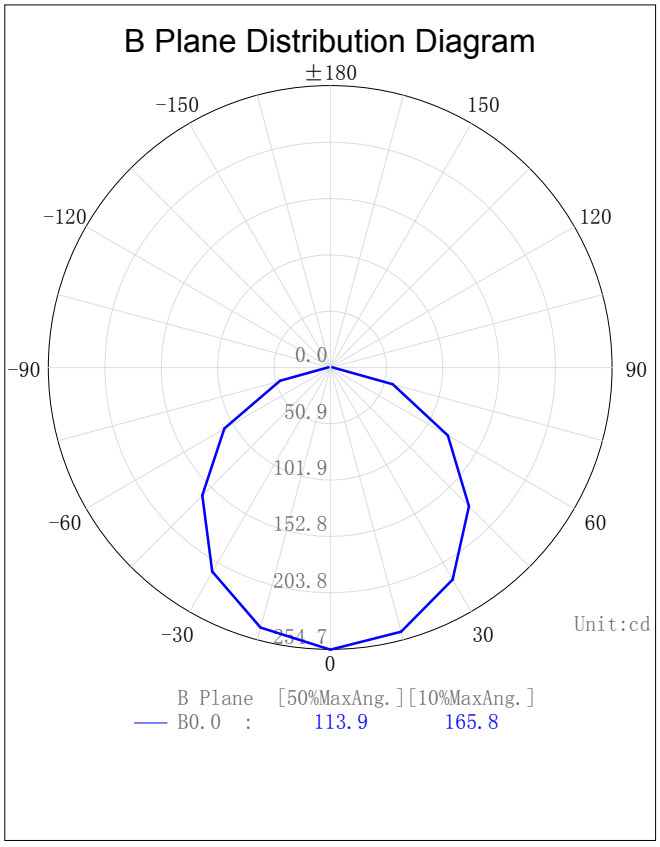
Flood Luminaire Photometric Data

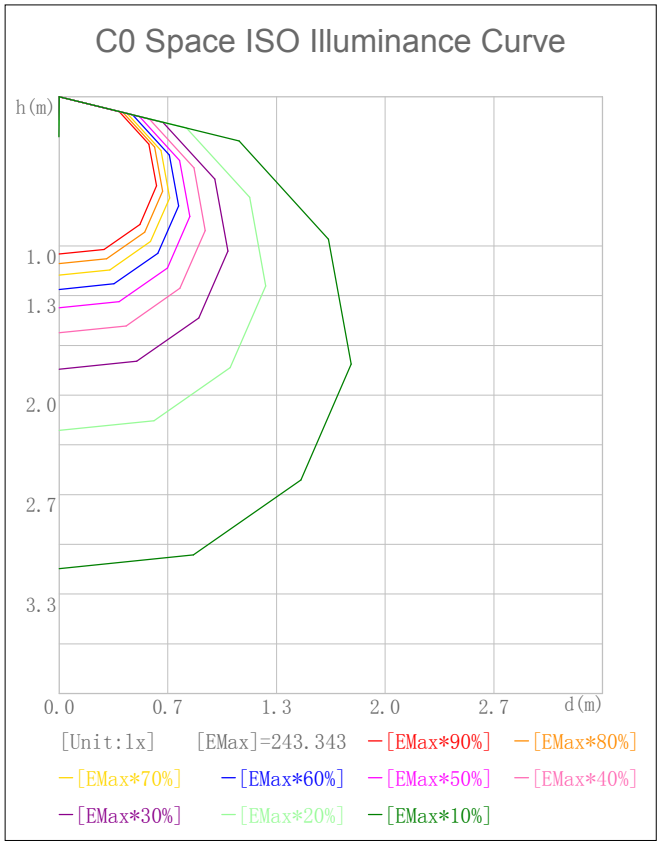
Description Information

Luminary Name: HCP-3365142		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700K		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):	955.030	Luminary Flux(lm):	810.456	Beam Lumens(lm):	587.99
Rated Power(W):		Luminary Efficiency:	84.86%	Beam Efficiency(%):	72.55
Rated Voltage(V):		Luminary EER(lm/W):	56.478	Field Lumens(lm):	799.85
Tested Power(W):	14.350	Max.Candela(cd):	254.713	Field Efficiency(%):	98.69
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	589.954lm
Tested Electrics(V,A,pf):24.0,0.5980,0.000		Beam Angle(50%)(V,H):	126.5(°),113.9(°)	IRF(%):	106.481
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.1(°),165.8(°)		





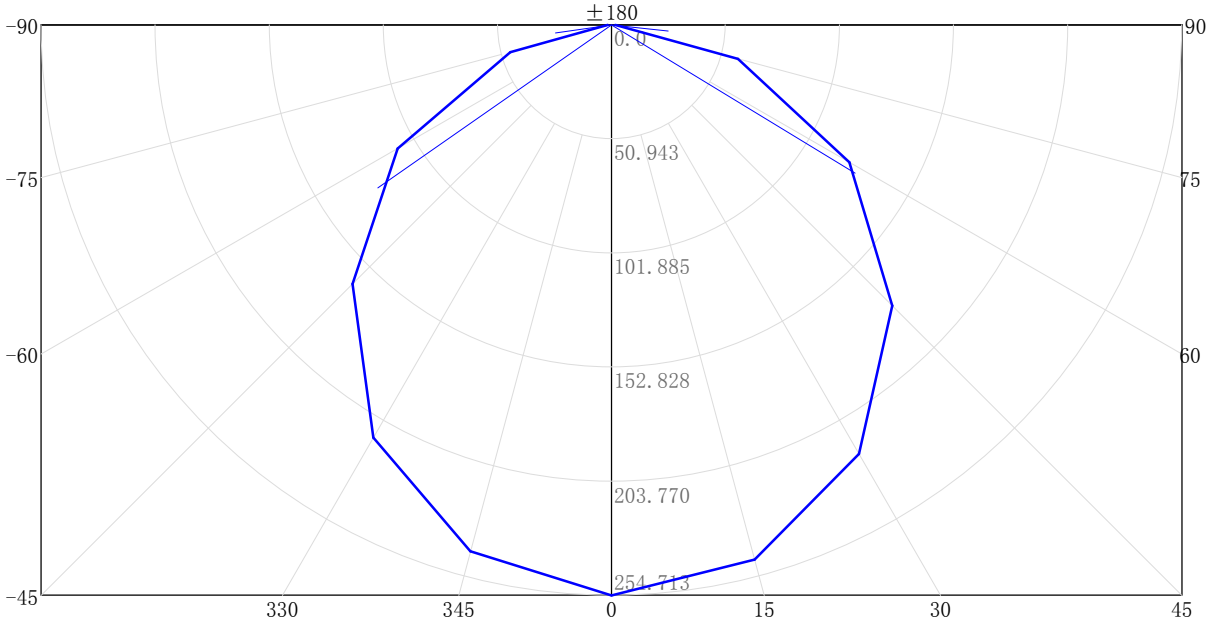
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

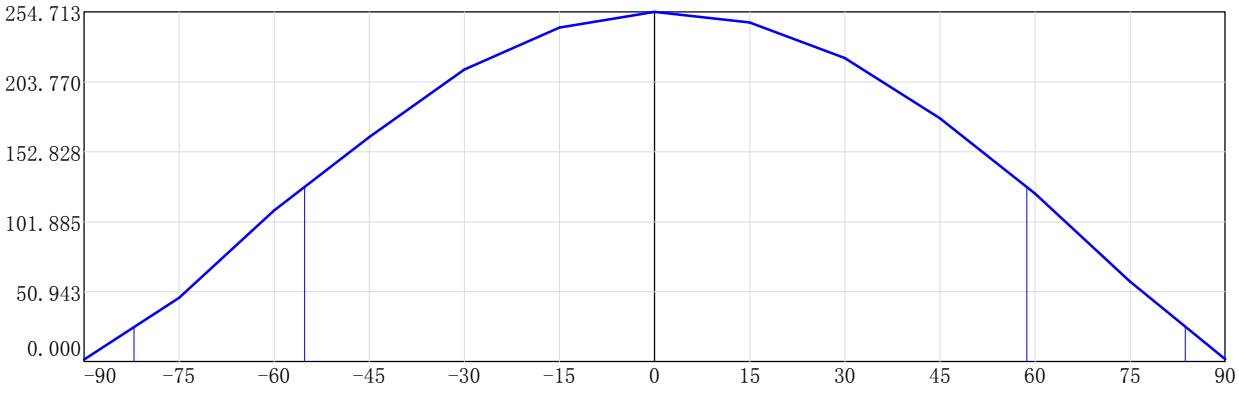
IES Flood Report
Photometric Filename: HCP-3365142.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

B Plane Distribution Diagram





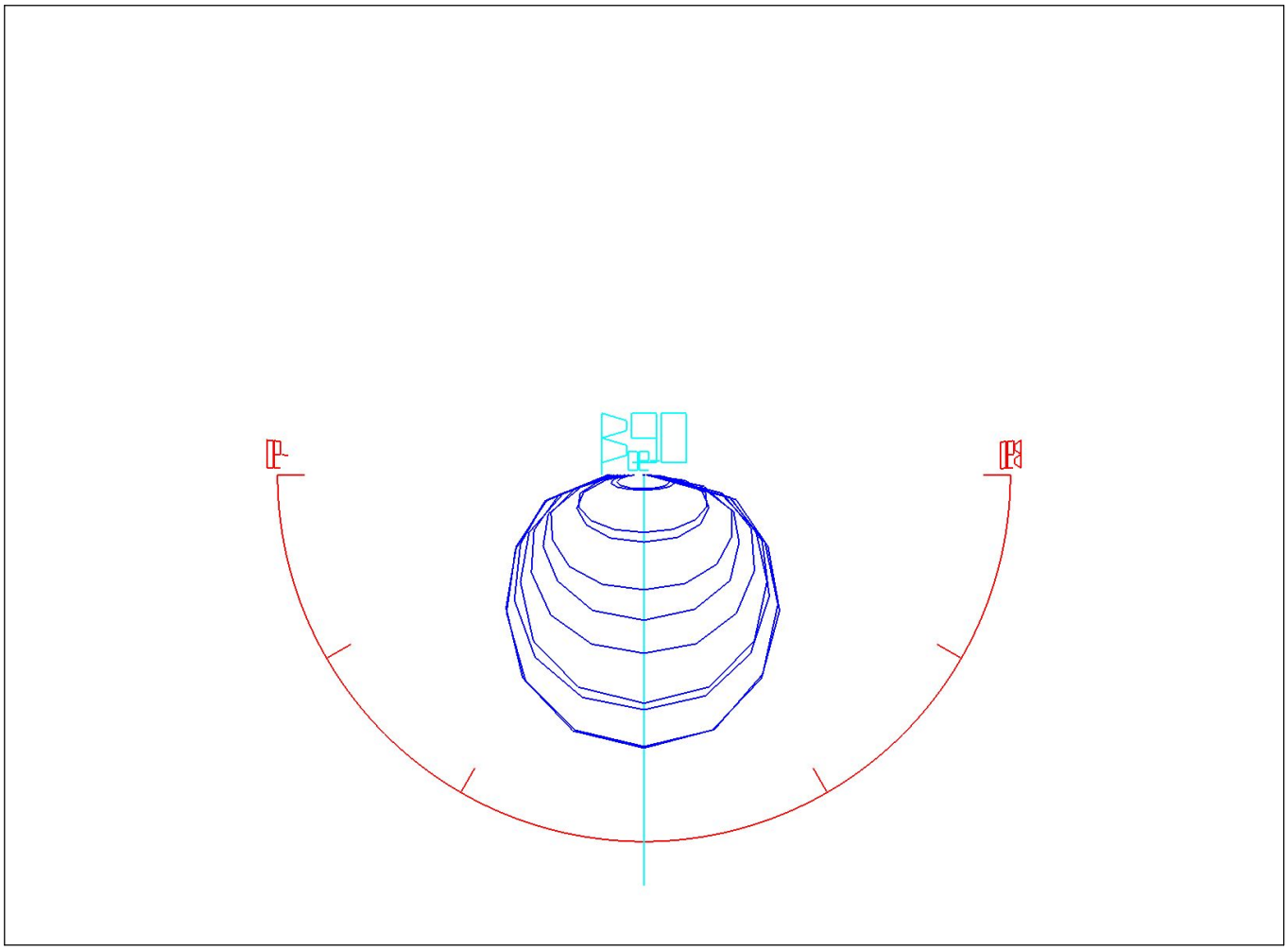
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	113.9	165.8	

IES Flood Report
Photometric Filename: HCP-3365142.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	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-3365142.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	0.06	0.52	1.45	2.61	3.70	4.36	4.42	3.88	2.86	1.67	0.67	0.09	
B-75.0	0.10	0.92	2.70	4.83	6.72	7.86	7.95	6.96	5.16	3.02	1.13	0.13	
B-60.0	0.14	1.35	3.83	6.70	9.19	10.71	10.81	9.49	7.08	4.19	1.60	0.18	
B-45.0	0.18	1.68	4.65	8.20	11.47	13.44	13.58	11.87	8.74	5.12	1.97	0.23	
B-30.0	0.20	1.92	5.29	9.43	13.31	15.61	15.74	13.71	10.05	5.84	2.23	0.26	
B-15.0	0.21	2.03	5.63	10.07	14.21	16.66	16.79	14.60	10.67	6.17	2.35	0.27	
B0.0	0.21	2.02	5.61	10.05	14.19	16.63	16.76	14.57	10.65	6.15	2.33	0.26	
B15.0	0.20	1.89	5.25	9.40	13.22	15.48	15.59	13.56	9.93	5.74	2.19	0.25	
B30.0	0.17	1.64	4.54	8.09	11.32	13.21	13.32	11.61	8.52	4.95	1.90	0.22	
B45.0	0.13	1.29	3.65	6.48	8.95	10.38	10.48	9.19	6.83	4.00	1.51	0.17	
B60.0	0.09	0.86	2.51	4.55	6.31	7.36	7.44	6.53	4.84	2.79	1.04	0.12	
B75.0	0.04	0.35	0.97	1.78	2.53	3.00	3.05	2.65	1.93	1.10	0.43	0.06	
B90.0													
Total	1.75	16.48	46.09	82.18	115.13	134.71	135.92	118.61	87.27	50.75	19.34	2.23	

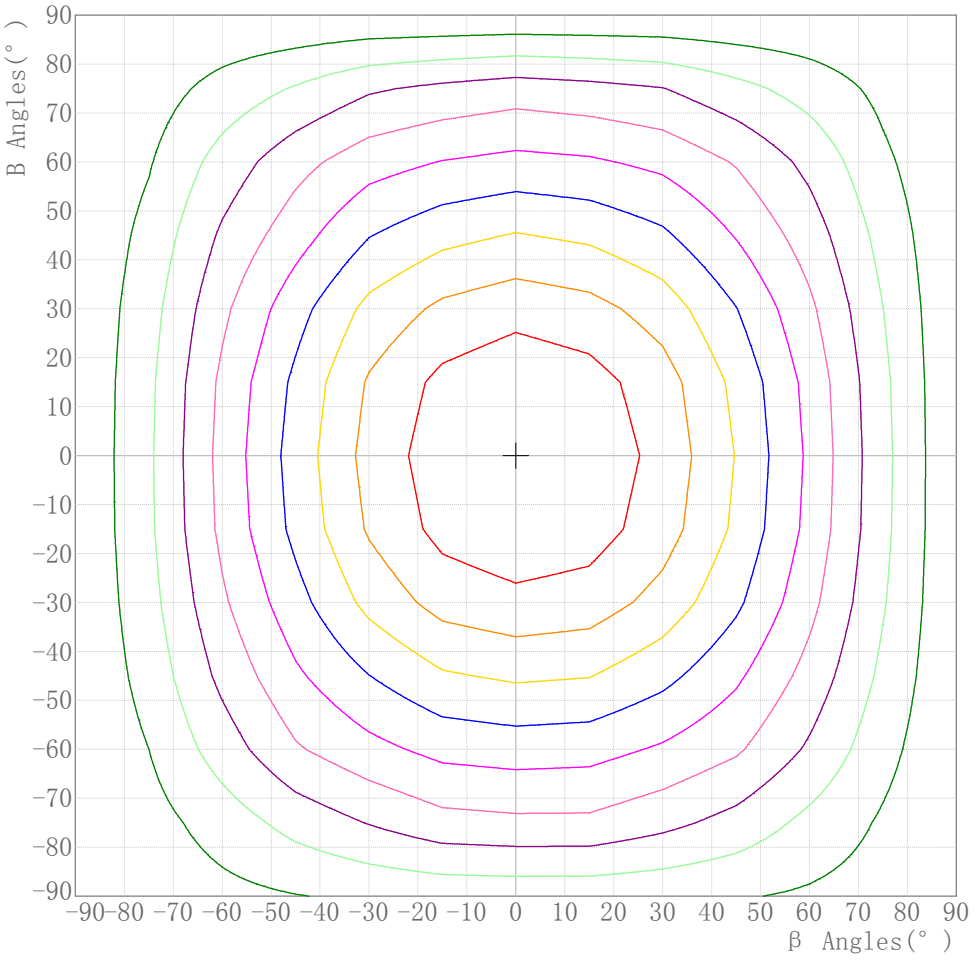
	β 90.0	Total
B-90.0		26.29
B-75.0		47.49
B-60.0		65.27
B-45.0		81.14
B-30.0		93.59
B-15.0		99.66
B0.0		99.43
B15.0		92.70
B30.0		79.48
B45.0		63.08
B60.0		44.44
B75.0		17.90
B90.0		
Total		810.46

IES Flood Report
Photometric Filename: HCP-3365142.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =254.713
[IMax*90%]=229.242
[IMax*80%]=203.770
[IMax*70%]=178.299
[IMax*60%]=152.828
[IMax*50%]=127.356
[IMax*40%]=101.885
[IMax*30%]=76.414
[IMax*20%]=50.943
[IMax*10%]=25.471

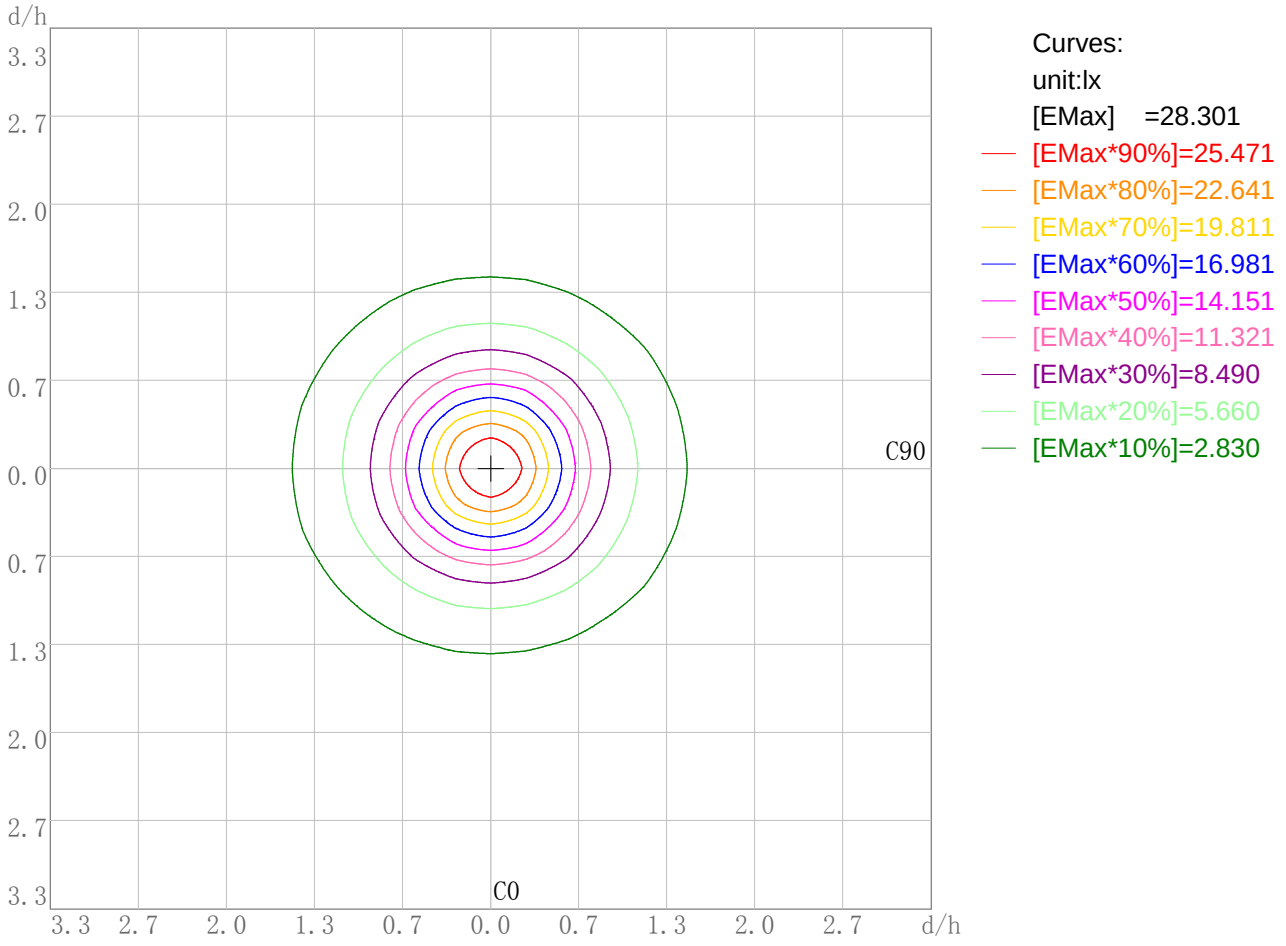
Maximum Light Intensity(cd): 254.71
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365142.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Plane ISO-Illuminance Curve



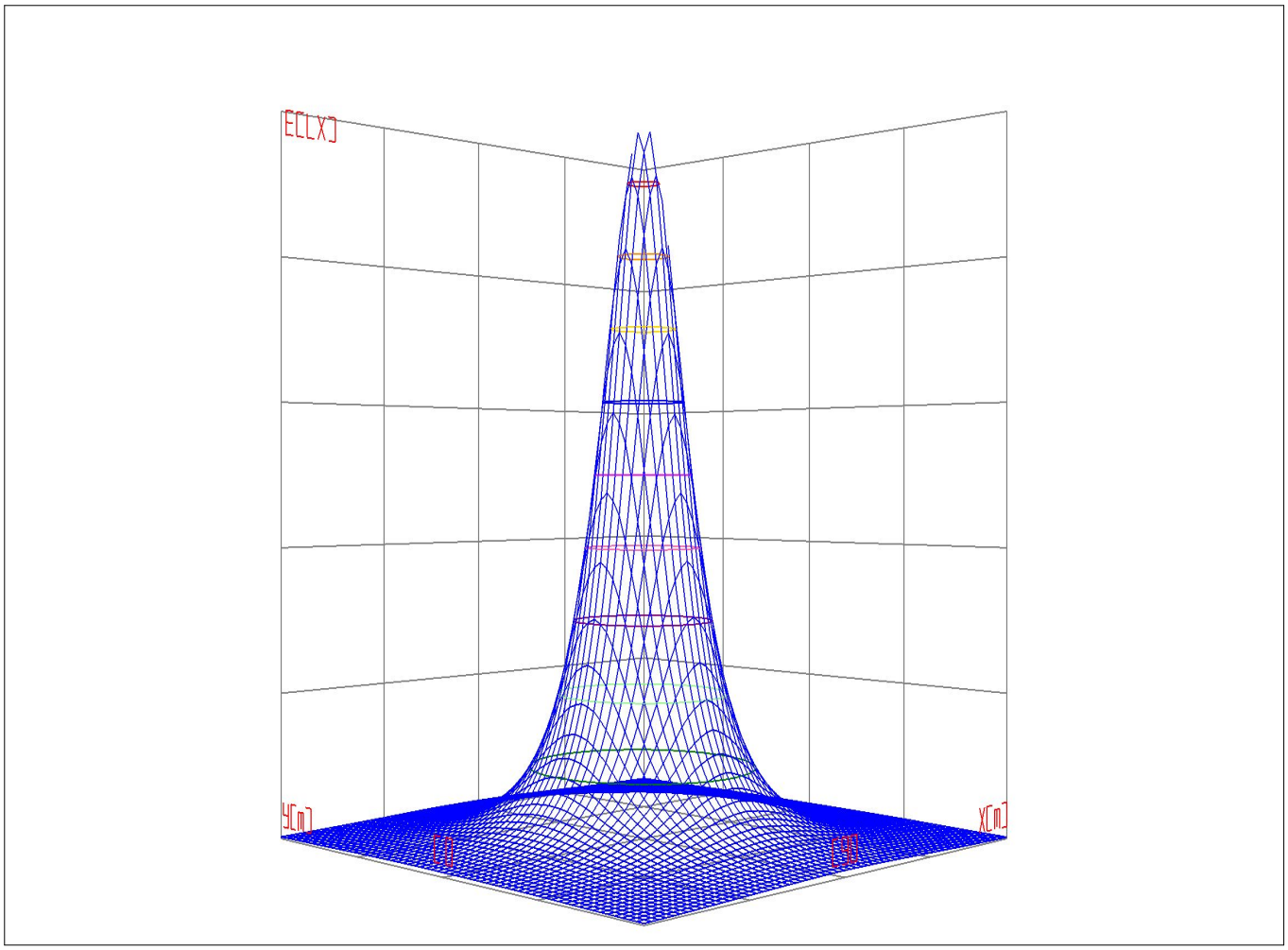
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 28.30
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365142.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	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%

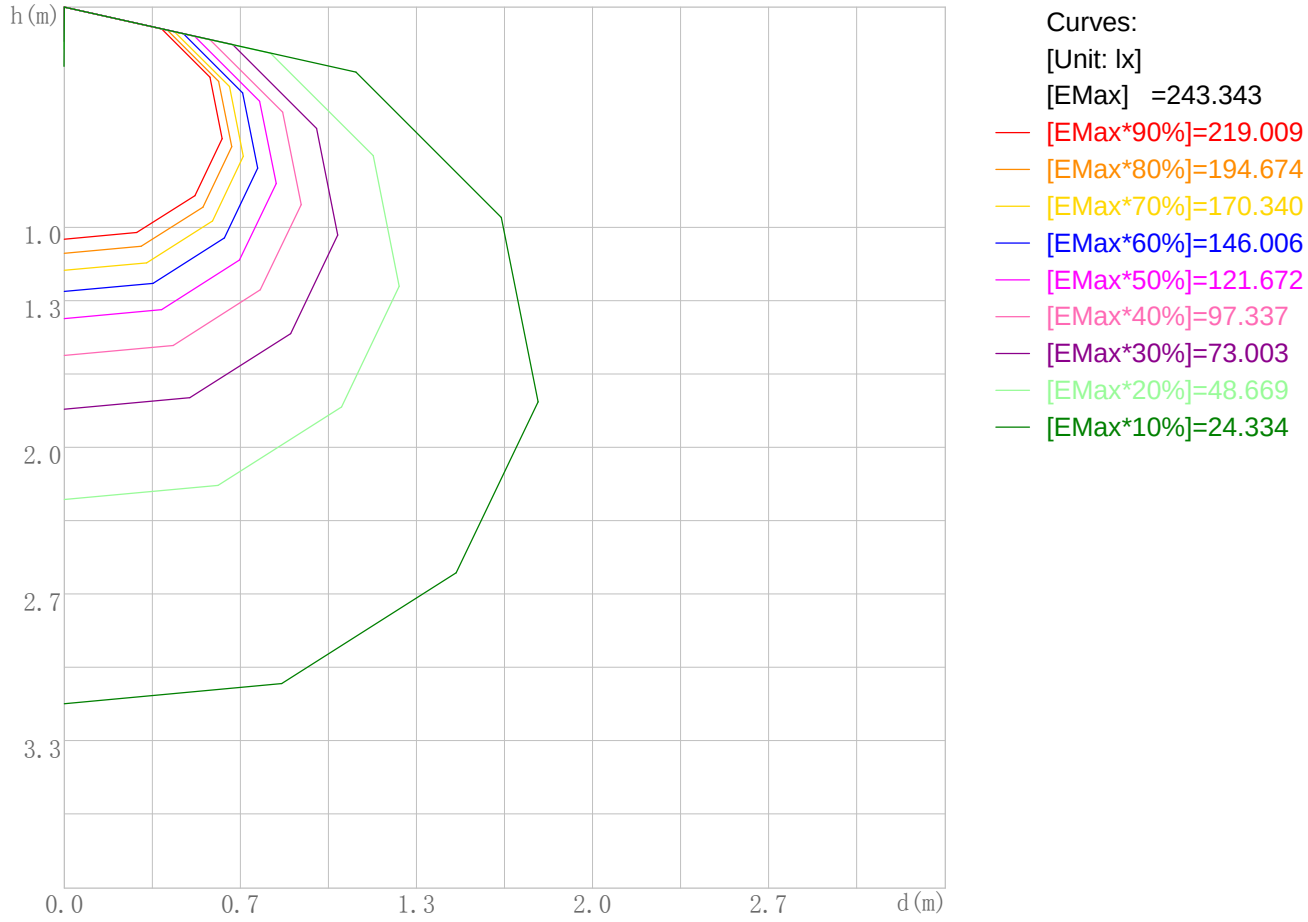
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365142.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Space ISO Illuminance Curve



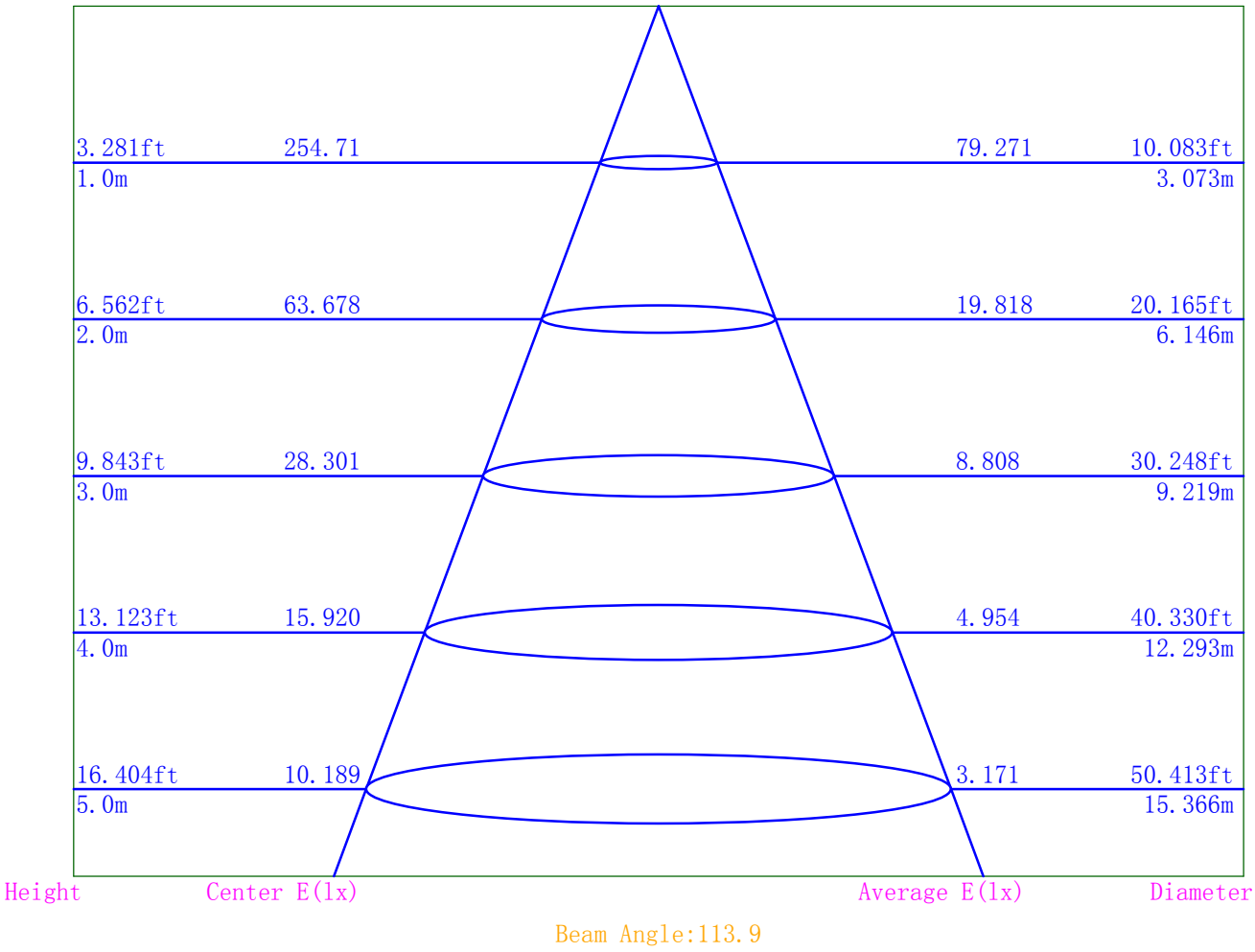
Space Plane Maximum Illuminance and @Angle:243.34lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:254.713cd,0eg

IES Flood Report
Photometric Filename: HCP-3365142.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365142	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Illuminance-Distance Curve



Beam Angle:113.9

IES Flood Report
Photometric Filename: HCP-3365142.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	1.73	9.02	17.96	24.47	30.09	33.25	34.26	33.98	31.80	27.66	21.73	13.96
B-75.0	1.73	15.36	36.83	60.21	77.61	93.31	96.49	96.49	83.66	67.56	44.05	22.21
B-60.0	1.73	25.39	63.19	98.99	119.65	135.12	139.21	137.03	124.00	105.71	72.62	34.09
B-45.0	1.73	34.76	82.99	123.05	152.39	175.26	182.44	179.33	160.54	132.05	92.71	45.22
B-30.0	1.73	41.73	97.79	143.64	185.77	213.43	222.52	217.42	194.40	158.02	109.59	53.36
B-15.0	1.73	45.99	107.93	159.61	206.84	237.35	247.96	241.21	215.48	173.57	120.13	57.55
B0.0	1.73	46.69	110.23	163.53	212.79	243.34	254.71	247.09	221.11	177.28	122.65	58.40
B15.0	1.73	45.29	107.17	158.25	206.60	236.07	247.83	239.56	214.99	171.98	119.23	56.71
B30.0	1.73	40.78	96.22	143.13	185.46	209.35	220.39	212.70	192.04	153.61	107.07	51.23
B45.0	1.73	33.10	80.52	116.60	151.76	170.42	179.93	173.18	157.30	125.83	89.44	42.17
B60.0	1.73	23.29	61.12	92.95	116.59	128.26	134.44	130.85	120.98	99.91	69.35	30.55
B75.0	1.73	12.81	34.55	53.13	72.93	82.22	89.50	84.45	77.21	58.84	40.36	18.91
B90.0	1.73	2.46	3.08	2.75	2.67	2.51	2.94	2.99	3.43	3.18	3.46	3.28

V/H	β 90.0
B-90.0	1.76
B-75.0	1.76
B-60.0	1.76
B-45.0	1.76
B-30.0	1.76
B-15.0	1.76
B0.0	1.76
B15.0	1.76
B30.0	1.76
B45.0	1.76
B60.0	1.76
B75.0	1.76
B90.0	1.76