IES Flood Report
Photometric Filename: HCP-3426151.IES

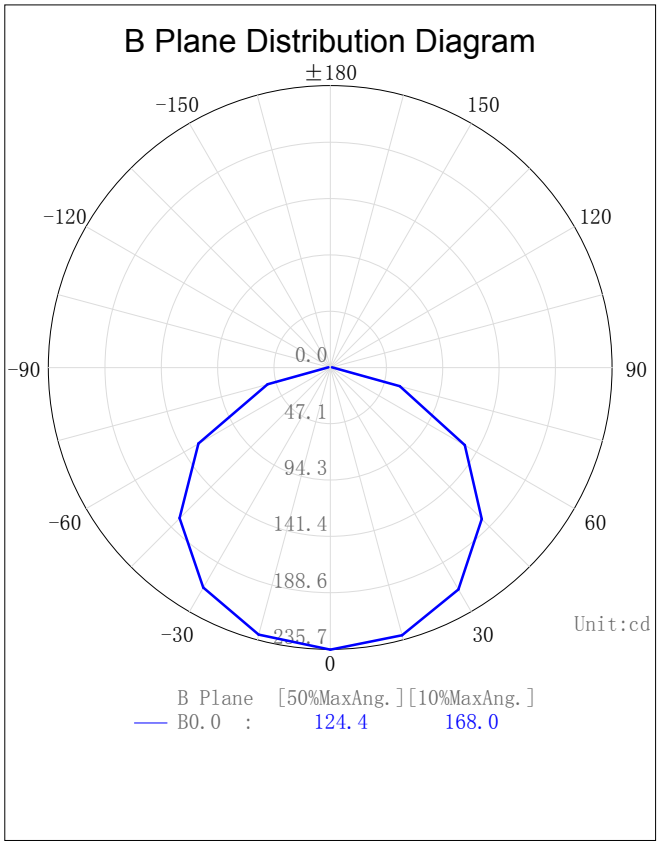
Flood Luminaire Photometric Data

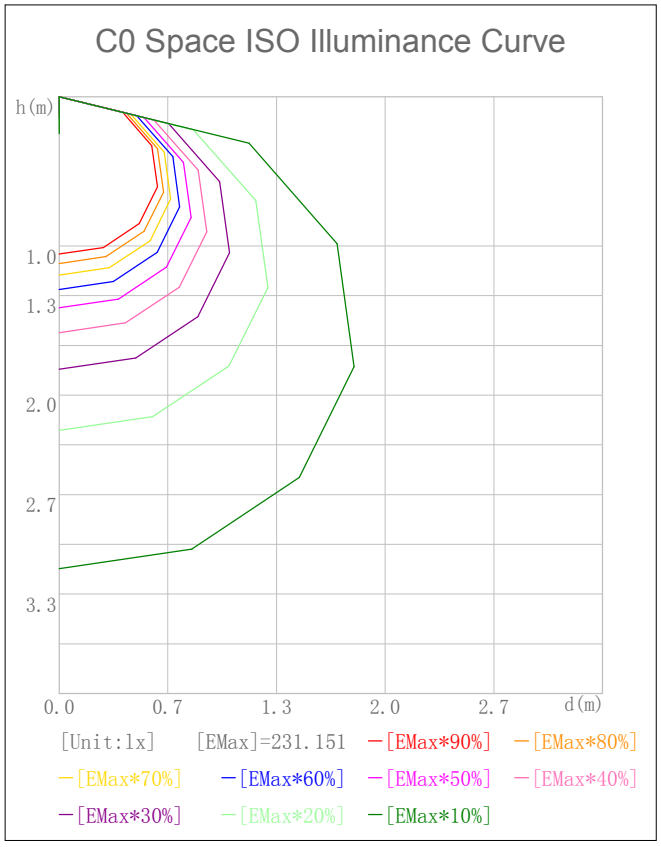
Description Information

Luminary Name: HCP-34265151		Lum. Catelog:	Test ID:
Lamp Name: 2110 RGBW		Lamp Catelog:	Test Date: 2019/08/03
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): 786.010	Luminary Flux(lm):	771.724	Beam Lumens(lm): 612.13
Rated Power(W):	Luminary Efficiency:	98.18%	Beam Efficiency(%): 79.32
Rated Voltage(V):	Luminary EER(lm/W):	46.743	Field Lumens(lm): 756.65
Tested Power(W): 16.510	Max.Candela(cd):	235.746	Field Efficiency(%): 98.05
Lamps' Inside: 1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°): 586.677lm
Tested Electrics(V,A,pf):24.0,0.688,0.000	Beam Angle(50%)(V,H):	125.1(°),124.4(°)	IRF(%): 98.506
Lamp Size(W*L*H):0.010m*1.000m*0.010m	Field Angle(10%)(V,H):	168.8(°),168.0(°)	





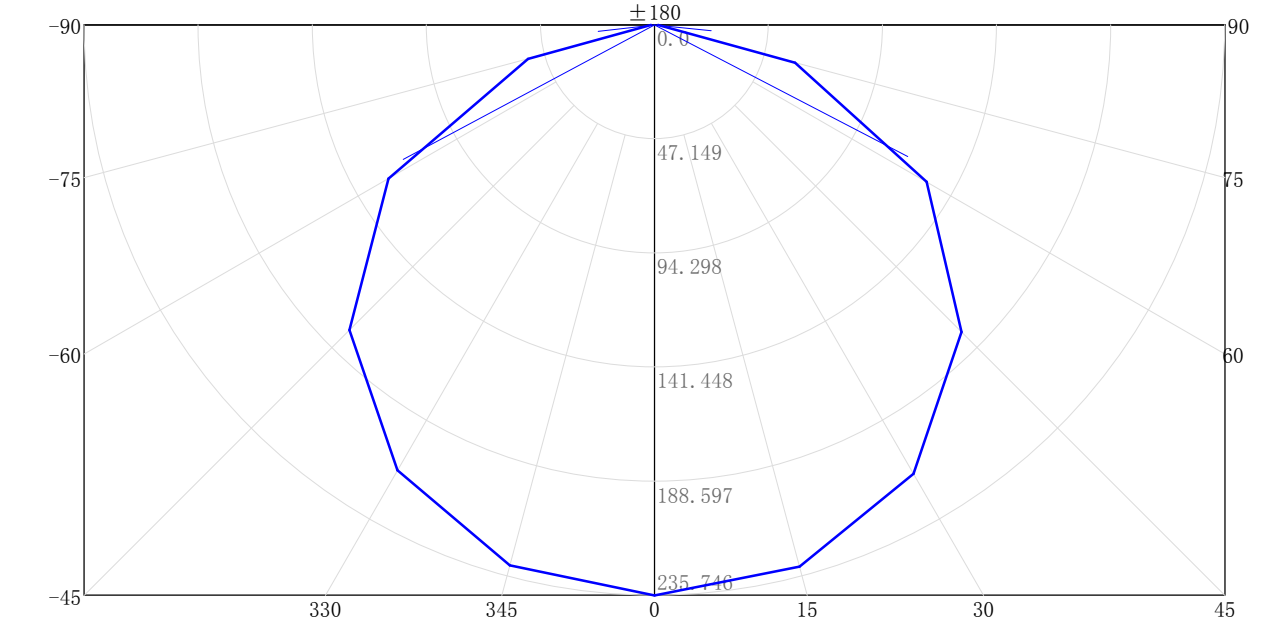
HAVIT COMMERCIAL
8/133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

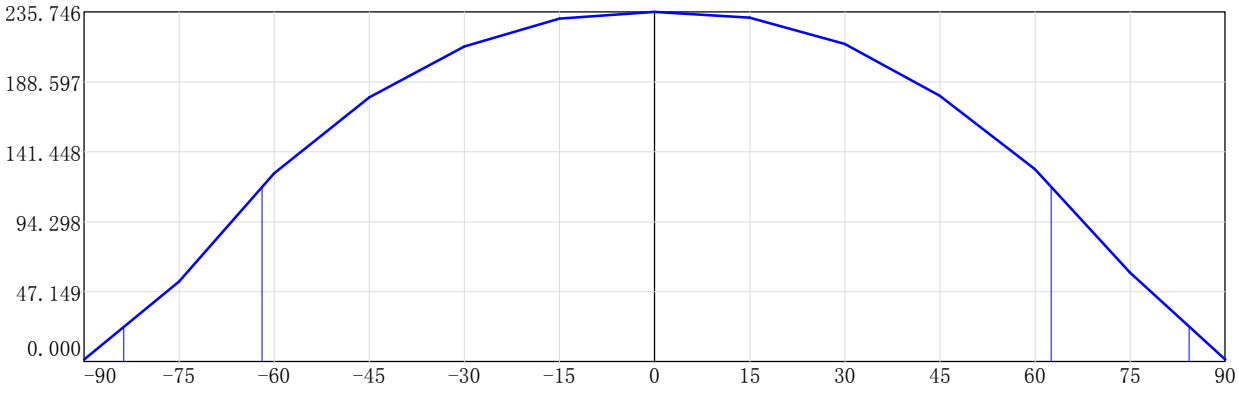
IES Flood Report
Photometric Filename: HCP-3426151.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

B Plane Distribution Diagram





B Plane [50%MaxAng.] [10%MaxAng.] Unit:cd

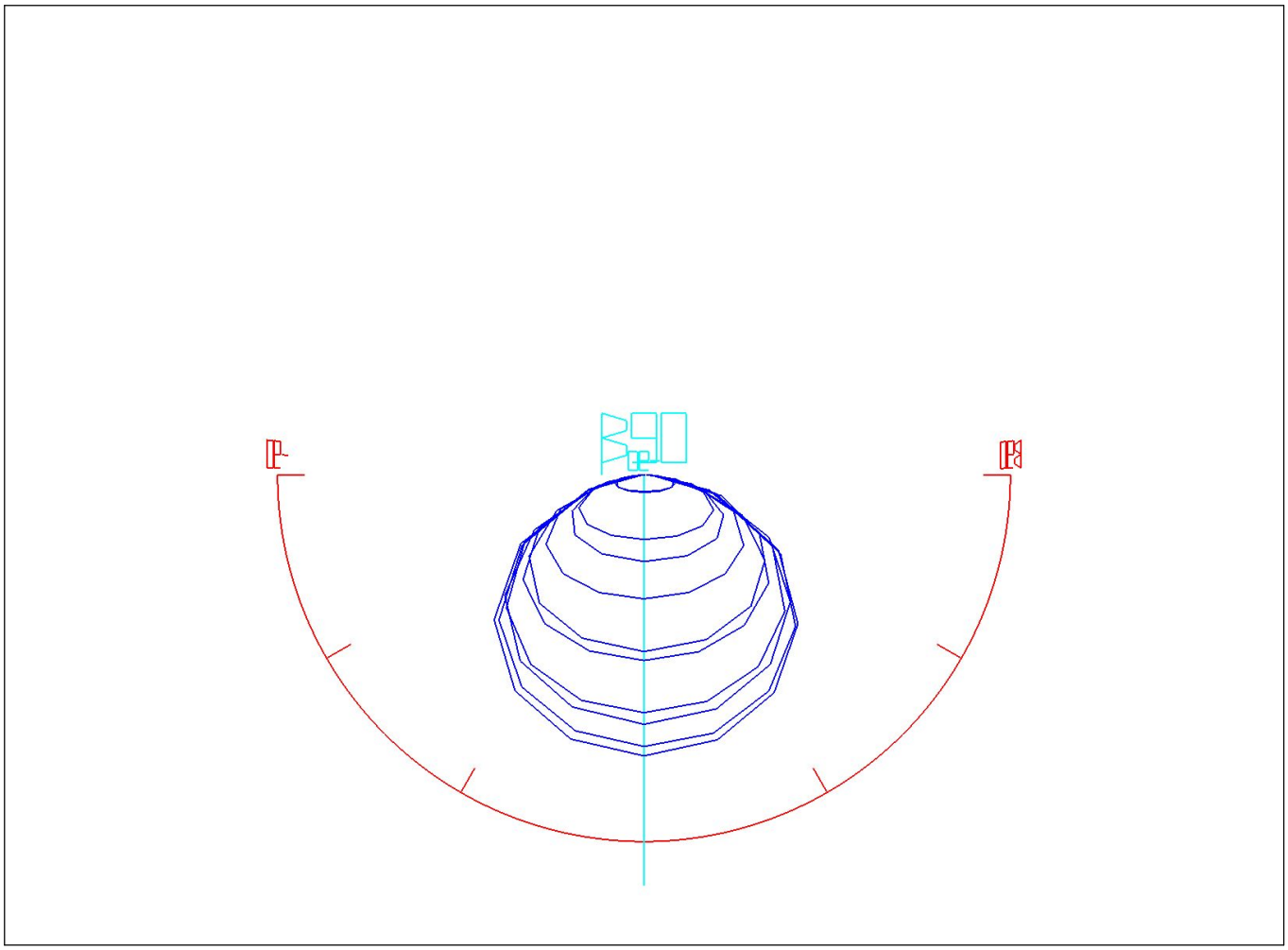
B0.0 : 124.4 168.0

IES Flood Report
Photometric Filename: HCP-3426151.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

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-3426151.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	0.19	0.56	1.03	1.47	1.71	1.73	1.50	1.07	0.59	0.22	0.03	
B-75.0	0.07	0.62	1.92	3.56	4.99	5.78	5.82	5.10	3.69	2.02	0.69	0.08	
B-60.0	0.12	1.20	3.58	6.44	8.84	10.11	10.15	8.97	6.62	3.72	1.30	0.14	
B-45.0	0.17	1.72	4.93	8.58	11.56	13.13	13.16	11.67	8.73	5.07	1.85	0.20	
B-30.0	0.22	2.11	5.80	9.85	13.14	14.87	14.88	13.22	9.97	5.92	2.23	0.24	
B-15.0	0.24	2.31	6.23	10.44	13.84	15.63	15.65	13.91	10.53	6.33	2.43	0.27	
B0.0	0.24	2.34	6.28	10.48	13.87	15.68	15.71	13.95	10.54	6.34	2.45	0.27	
B15.0	0.22	2.18	5.93	9.98	13.25	15.02	15.06	13.33	10.02	5.98	2.29	0.25	
B30.0	0.19	1.85	5.17	8.85	11.83	13.45	13.49	11.90	8.88	5.21	1.94	0.21	
B45.0	0.13	1.35	3.93	6.96	9.42	10.76	10.78	9.47	6.98	3.98	1.44	0.15	
B60.0	0.08	0.78	2.32	4.27	5.91	6.81	6.83	5.94	4.30	2.37	0.84	0.09	
B75.0	0.03	0.28	0.81	1.50	2.11	2.46	2.47	2.14	1.53	0.83	0.30	0.04	
B90.0													
Total	1.74	16.93	47.46	81.95	110.23	125.41	125.72	111.10	82.86	48.38	17.96	1.97	

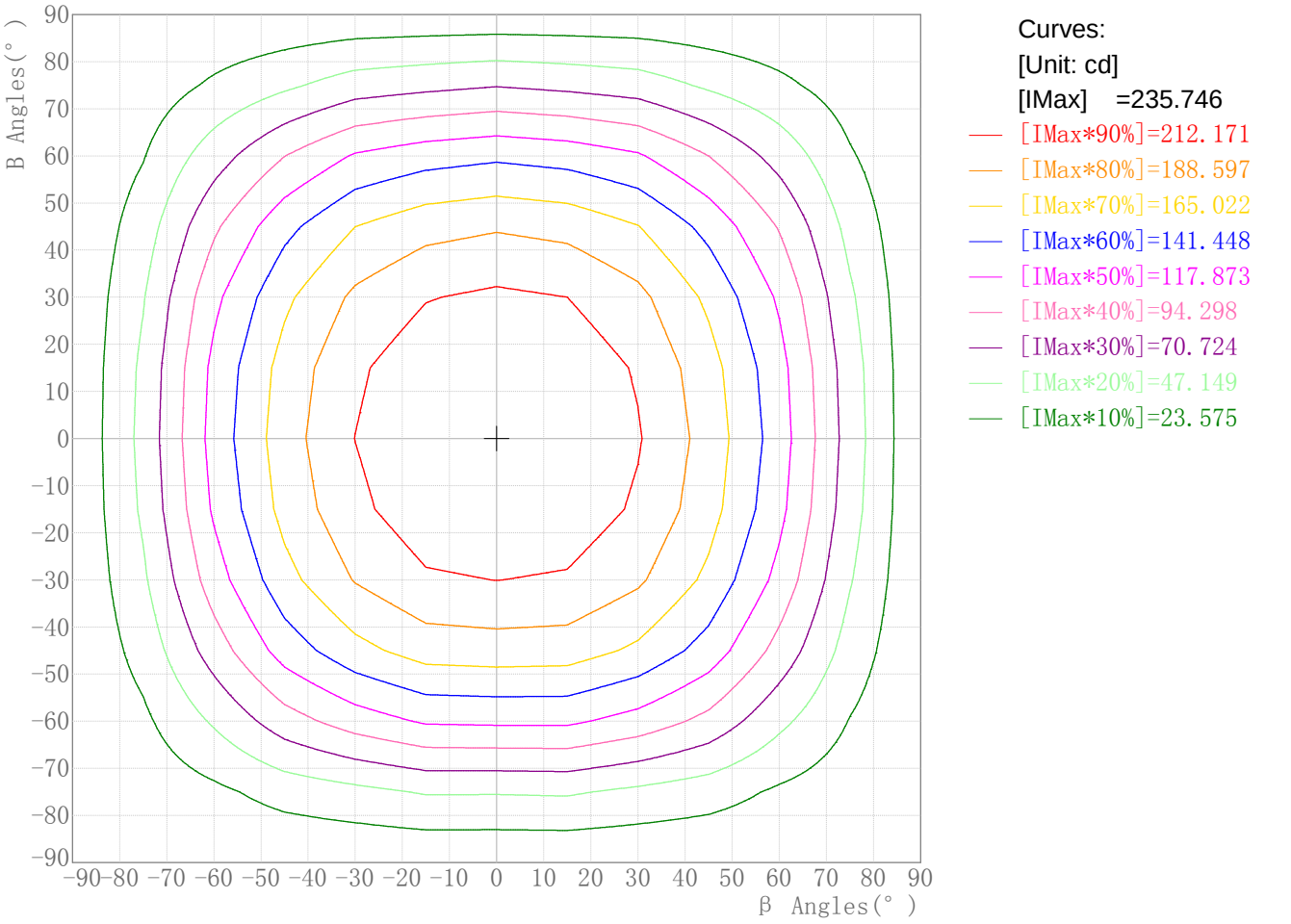
	β 90.0	Total
B-90.0		10.14
B-75.0		34.33
B-60.0		61.18
B-45.0		80.77
B-30.0		92.45
B-15.0		97.82
B0.0		98.14
B15.0		93.51
B30.0		82.97
B45.0		65.36
B60.0		40.56
B75.0		14.50
B90.0		
Total		771.72

IES Flood Report
Photometric Filename: HCP-3426151.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

ISO Lighting Intensity Curve



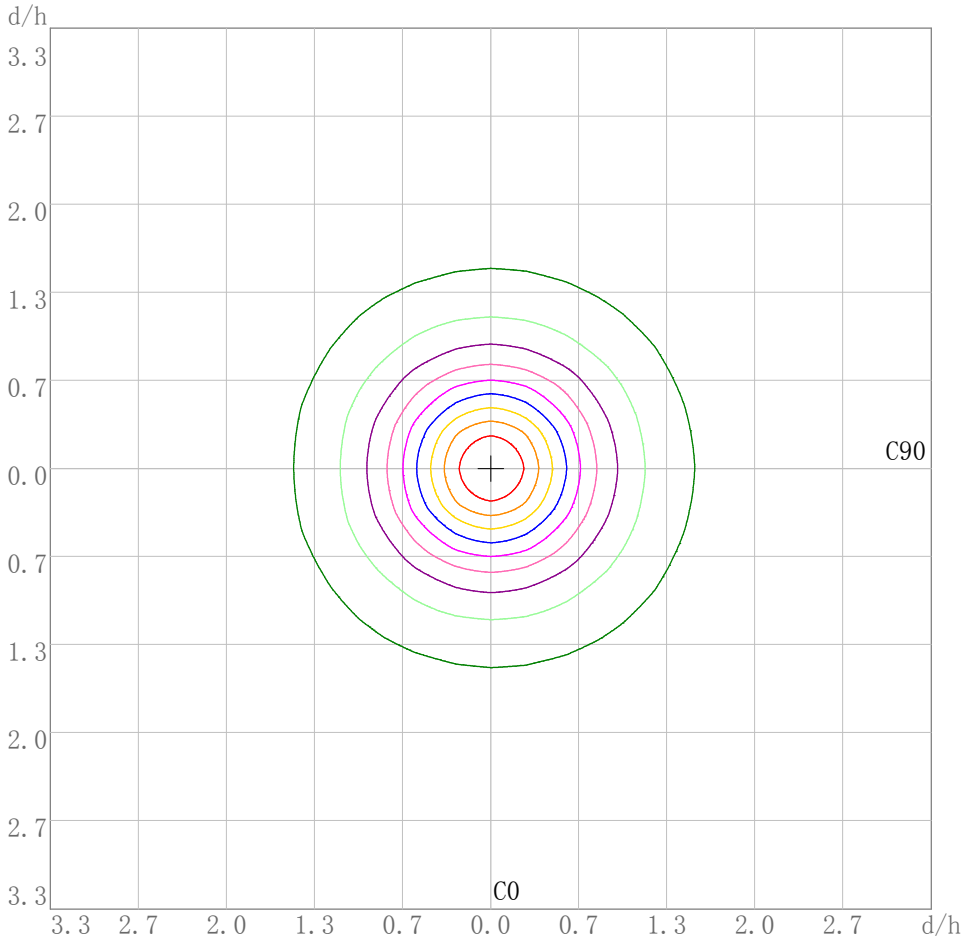
Maximum Light Intensity(cd): 235.75
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3426151.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

Plane ISO-Illuminance Curve



Curves:
unit:lx
[EMax] =26.194
[EMax*90%]=23.575
[EMax*80%]=20.955
[EMax*70%]=18.336
[EMax*60%]=15.716
[EMax*50%]=13.097
[EMax*40%]=10.478
[EMax*30%]=7.858
[EMax*20%]=5.239
[EMax*10%]=2.619

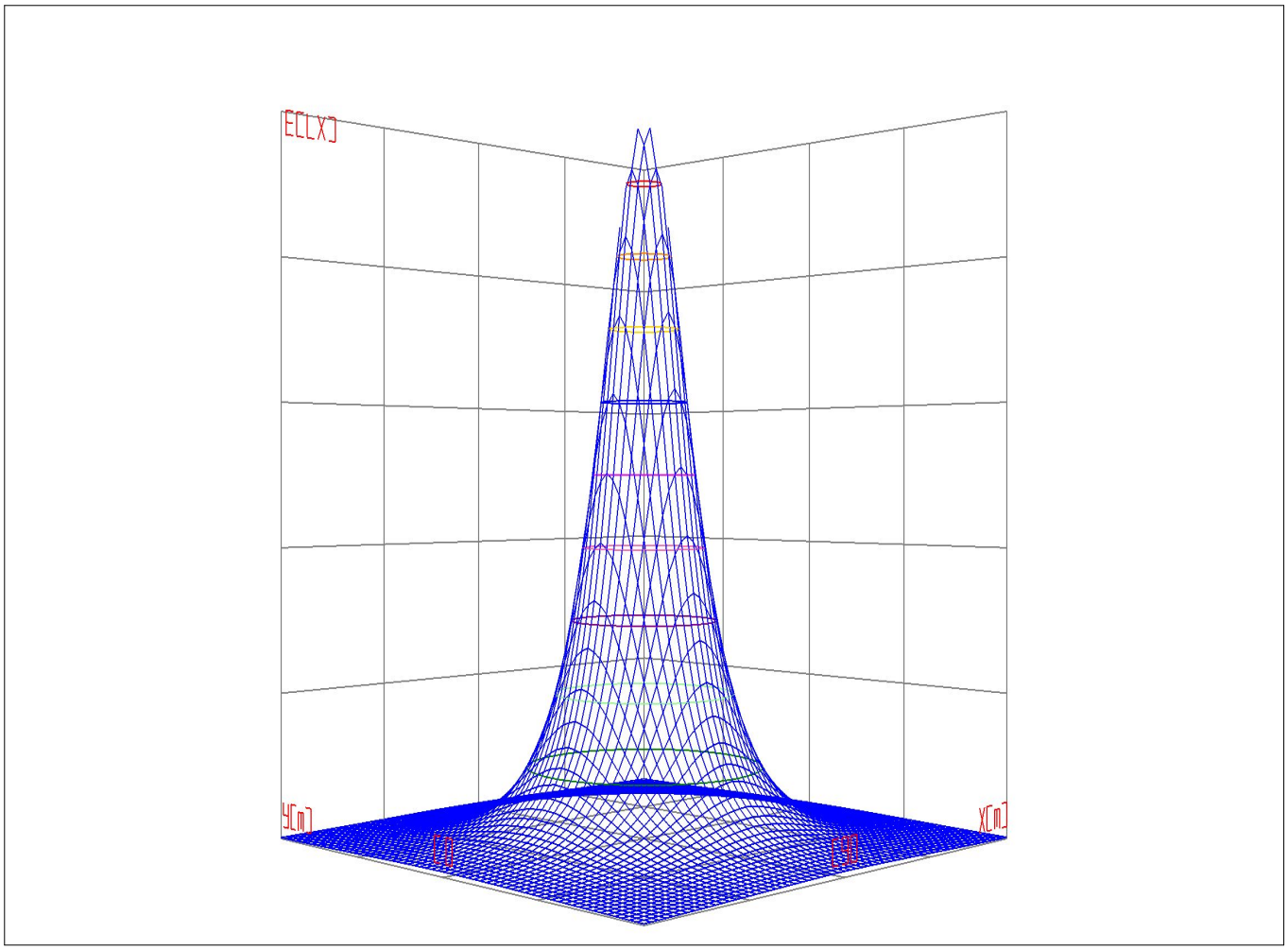
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 26.19
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3426151.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

3D Plane Illuminance Modal



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

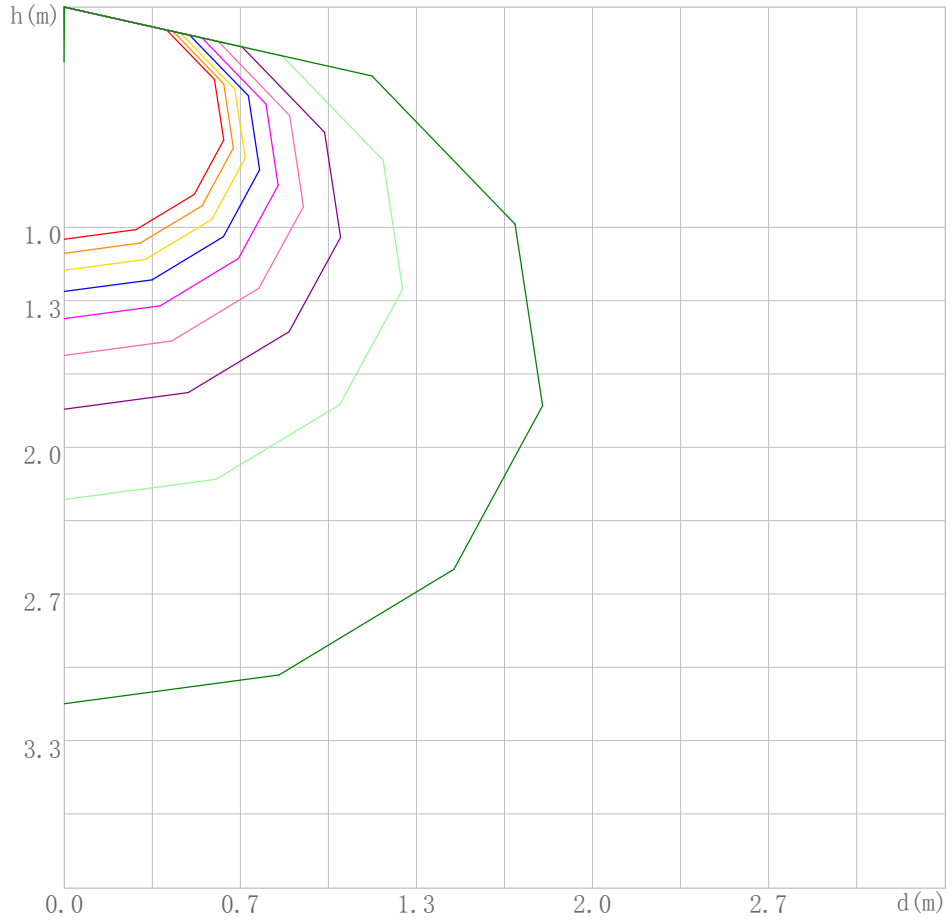
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3426151.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =231.151
[EMax*90%]=208.036
[EMax*80%]=184.921
[EMax*70%]=161.806
[EMax*60%]=138.691
[EMax*50%]=115.576
[EMax*40%]=92.460
[EMax*30%]=69.345
[EMax*20%]=46.230
[EMax*10%]=23.115

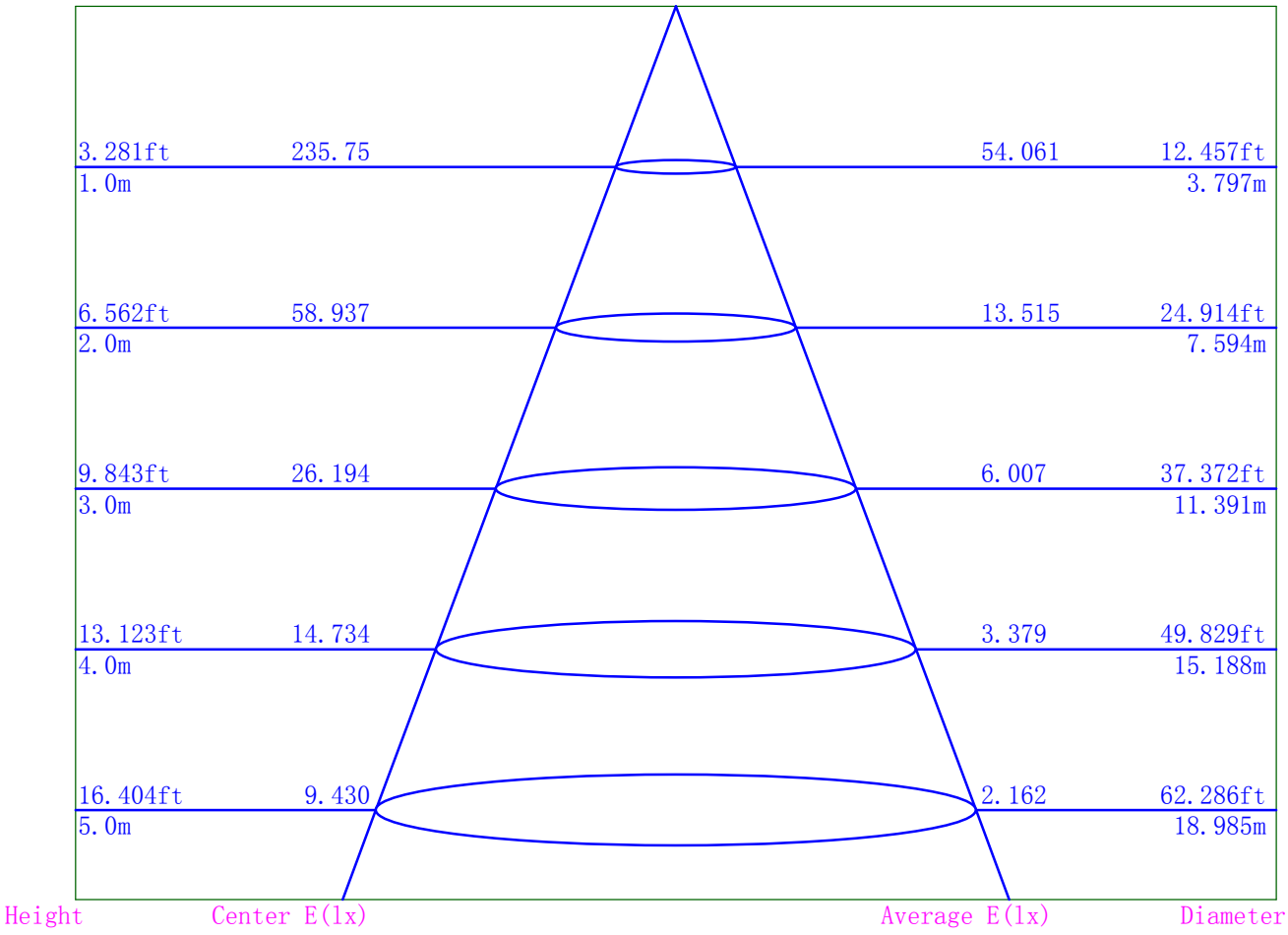
Space Plane Maximum Illuminance and @Angle:231.15lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:235.746cd,0eg

IES Flood Report
Photometric Filename: HCP-3426151.IES

Illuminance-Distance Diagram

Lum.Name: HCP-34265151	Lum.Catelog:	Test ID:
Lamp Name: 2110 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/03

Illuminance-Distance Curve



Beam Angle:124.4

IES Flood Report
Photometric Filename: HCP-3426151.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	1.67	1.71	1.64	1.61	1.57	1.55	1.56	1.58	1.63	1.63	1.78
B-75.0	1.43	7.79	18.58	32.33	40.54	49.19	48.90	50.06	41.93	33.88	20.05	9.49
B-60.0	1.43	18.96	50.14	83.80	105.81	120.84	122.12	122.22	108.82	87.31	52.96	22.62
B-45.0	1.43	32.11	81.86	128.24	157.45	175.69	178.11	176.70	160.47	131.61	85.87	36.89
B-30.0	1.43	43.29	106.48	157.02	190.13	209.14	212.43	209.63	192.53	159.53	110.49	48.96
B-15.0	1.43	51.08	121.38	172.80	206.76	226.10	229.95	226.55	208.75	174.72	124.73	57.06
B0.0	1.43	54.06	127.02	178.22	212.46	231.15	235.75	231.80	214.17	179.33	129.77	60.19
B15.0	1.43	52.12	123.97	174.13	208.28	226.70	232.13	227.67	209.80	174.54	126.33	58.13
B30.0	1.43	45.53	112.01	160.13	193.42	210.90	216.76	212.19	194.94	160.14	114.25	50.99
B45.0	1.43	35.04	90.11	134.38	164.93	180.30	186.10	181.20	165.85	134.13	92.51	39.68
B60.0	1.43	22.34	59.71	93.94	120.33	131.49	137.05	132.05	120.62	94.24	61.84	25.90
B75.0	1.43	9.85	27.16	42.70	58.41	64.24	69.32	64.75	58.97	43.42	28.66	12.21
B90.0	1.43	1.79	3.34	4.43	5.36	5.80	5.90	5.99	5.71	4.55	3.19	1.72

V/H	β 90.0
B-90.0	1.42
B-75.0	1.42
B-60.0	1.42
B-45.0	1.42
B-30.0	1.42
B-15.0	1.42
B0.0	1.42
B15.0	1.42
B30.0	1.42
B45.0	1.42
B60.0	1.42
B75.0	1.42
B90.0	1.42