IES Flood Report
Photometric Filename: HCP-3456151.IES

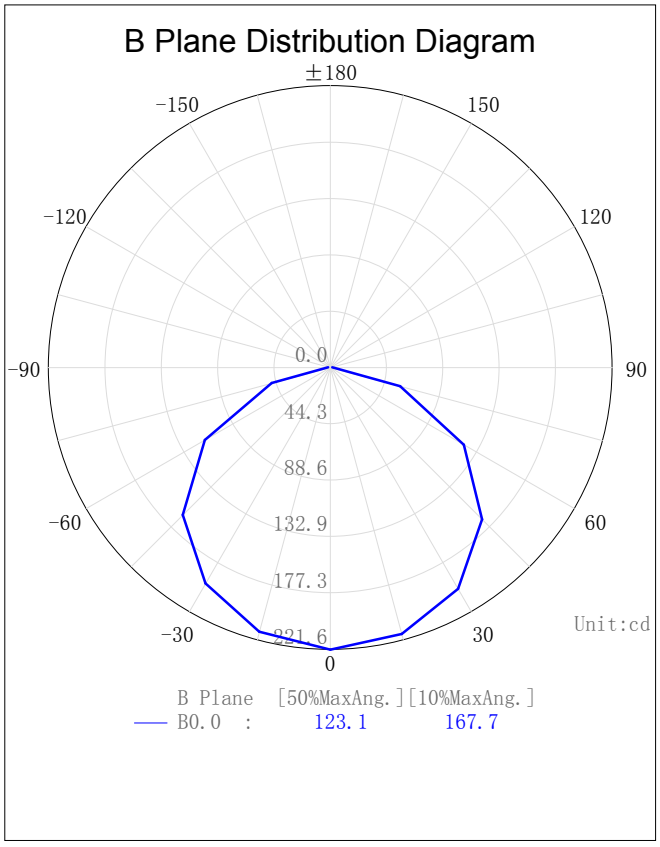
Flood Luminaire Photometric Data

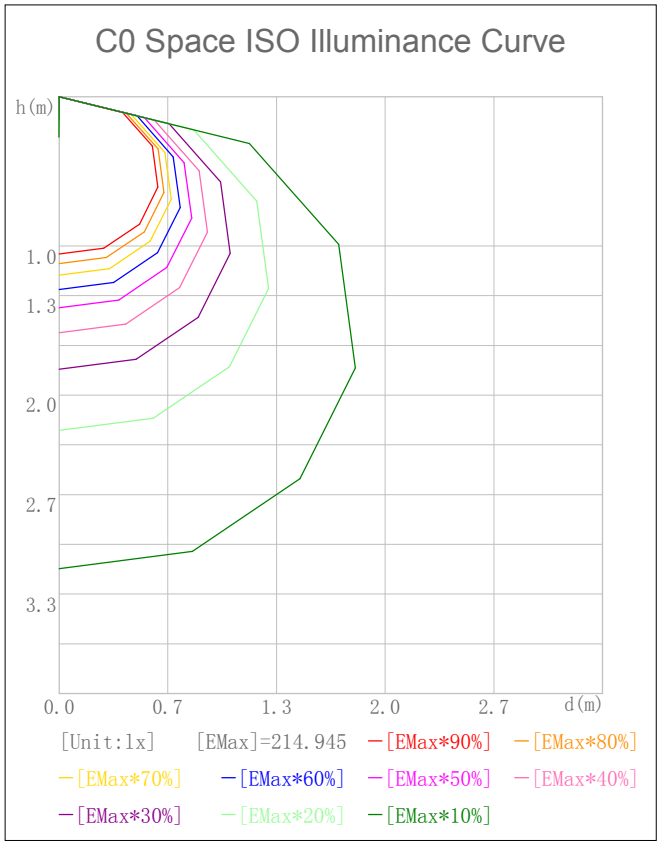
Description Information

Luminary Name: HCP-3456151		Lum. Catelog:	Test ID:
Lamp Name: 2216 RGBW		Lamp Catelog:	Test Date: 2019/07/31
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): 807.090	Luminary Flux(lm):	757.631	Beam Lumens(lm):	593.95
Rated Power(W):	Luminary Efficiency:	93.87%	Beam Efficiency(%):	78.40
Rated Voltage(V):	Luminary EER(lm/W):	45.097	Field Lumens(lm):	748.13
Tested Power(W): 16.800	Max.Candela(cd):	221.571	Field Efficiency(%):	98.75
Lamps' Inside: 1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	550.825lm
Tested Electrics(V,A,pf):24.0,0.71,0.000	Beam Angle(50%)(V,H):	132.9(°),123.1(°)	IRF(%):	99.398
Lamp Size(W*L*H):0.010m*1.000m*0.010m	Field Angle(10%)(V,H):	175.6(°),167.7(°)		





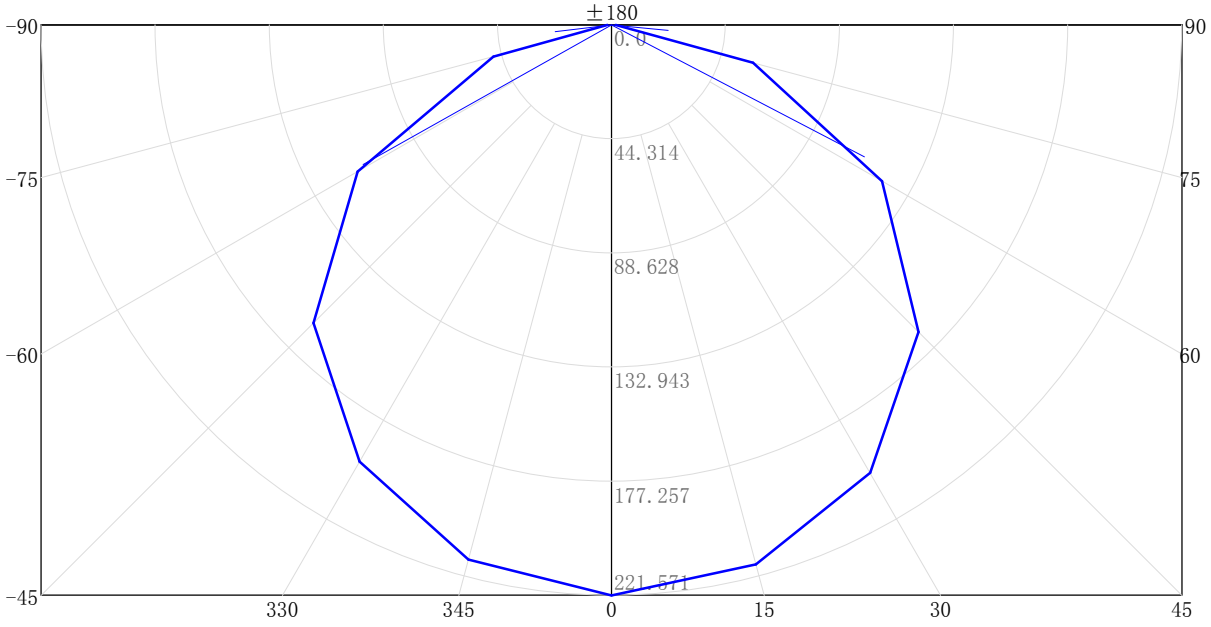
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

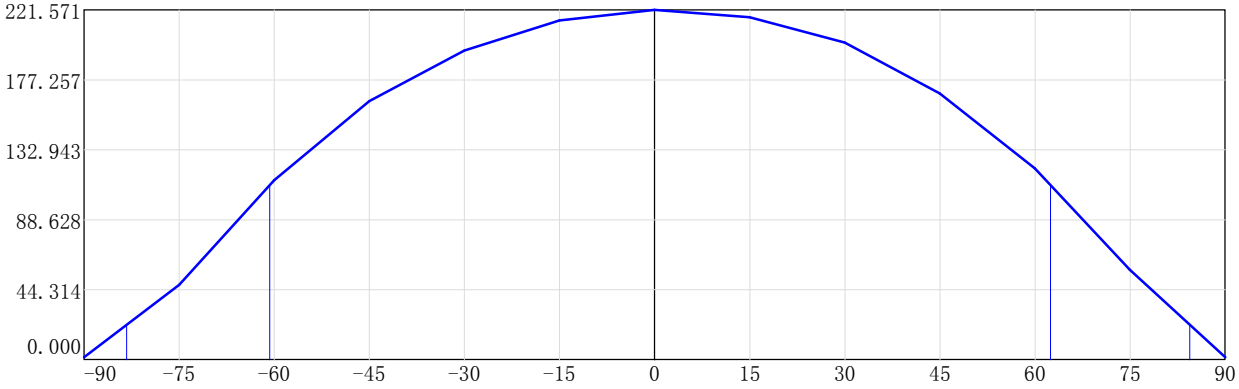
IES Flood Report
Photometric Filename: HCP-3456151.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

B Plane Distribution Diagram





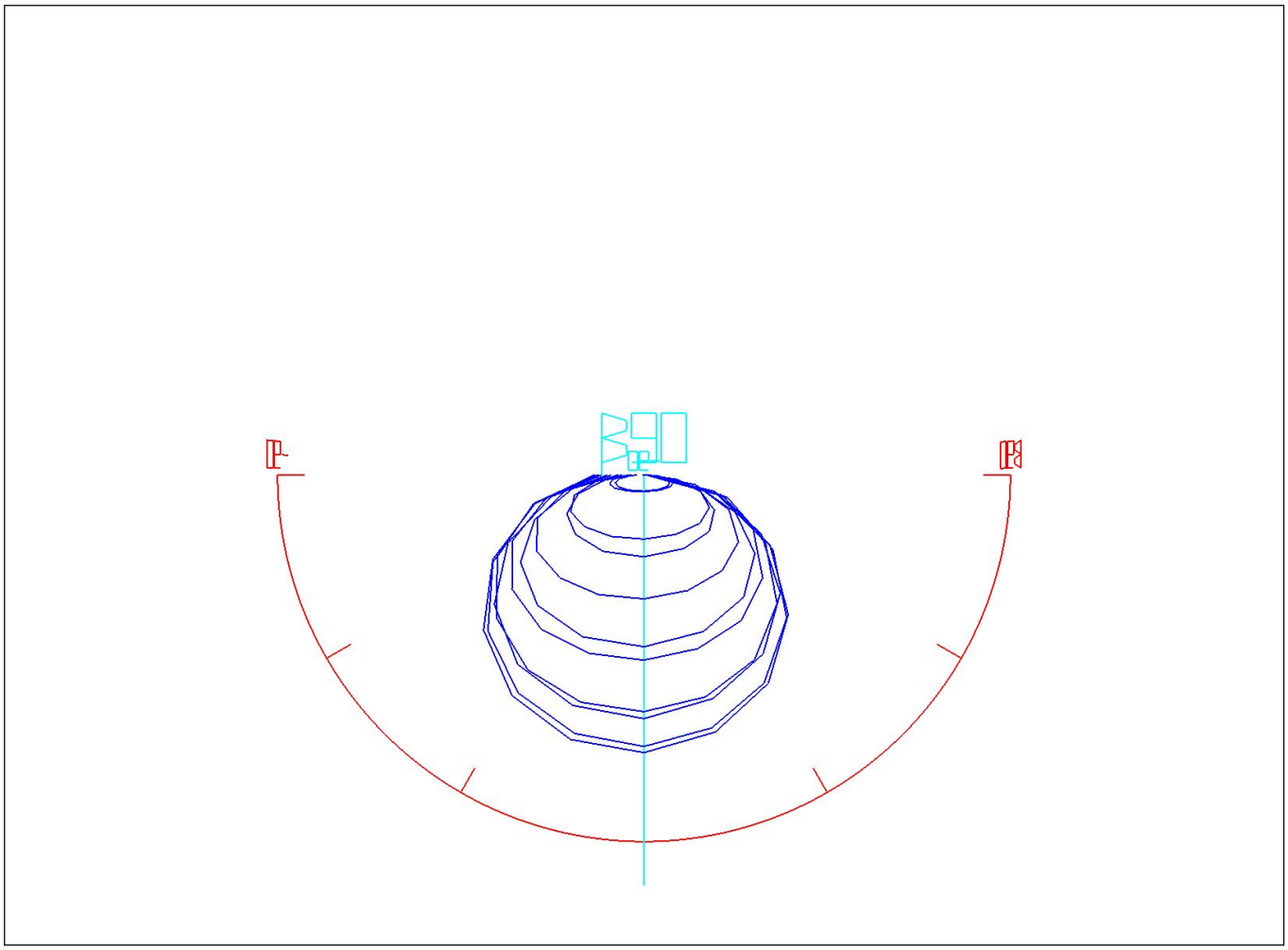
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	123.1	167.7	

IES Flood Report
Photometric Filename: HCP-3456151.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

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-3456151.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	0.05	0.42	1.32	2.54	3.72	4.46	4.55	3.98	2.87	1.58	0.57	0.07	
B-75.0	0.08	0.84	2.60	4.83	6.77	7.89	8.01	7.10	5.23	2.93	1.03	0.12	
B-60.0	0.13	1.28	3.83	6.87	9.40	10.80	10.90	9.73	7.30	4.19	1.52	0.17	
B-45.0	0.17	1.66	4.79	8.38	11.32	12.92	13.00	11.62	8.78	5.15	1.92	0.21	
B-30.0	0.20	1.94	5.42	9.30	12.45	14.18	14.26	12.71	9.65	5.75	2.19	0.25	
B-15.0	0.22	2.08	5.72	9.68	12.89	14.70	14.77	13.13	9.98	6.00	2.31	0.26	
B0.0	0.21	2.05	5.64	9.55	12.73	14.53	14.59	12.95	9.81	5.88	2.26	0.25	
B15.0	0.19	1.86	5.21	8.94	11.97	13.67	13.74	12.18	9.16	5.43	2.06	0.23	
B30.0	0.16	1.55	4.46	7.81	10.53	12.03	12.08	10.69	7.97	4.64	1.72	0.19	
B45.0	0.11	1.14	3.39	6.10	8.31	9.51	9.55	8.40	6.20	3.53	1.27	0.14	
B60.0	0.07	0.69	2.11	3.94	5.48	6.33	6.36	5.53	3.99	2.20	0.77	0.08	
B75.0	0.03	0.25	0.75	1.44	2.04	2.37	2.38	2.05	1.45	0.78	0.28	0.04	
B90.0													
Total	1.61	15.76	45.25	79.39	107.60	123.40	124.19	110.07	82.39	48.06	17.92	1.99	

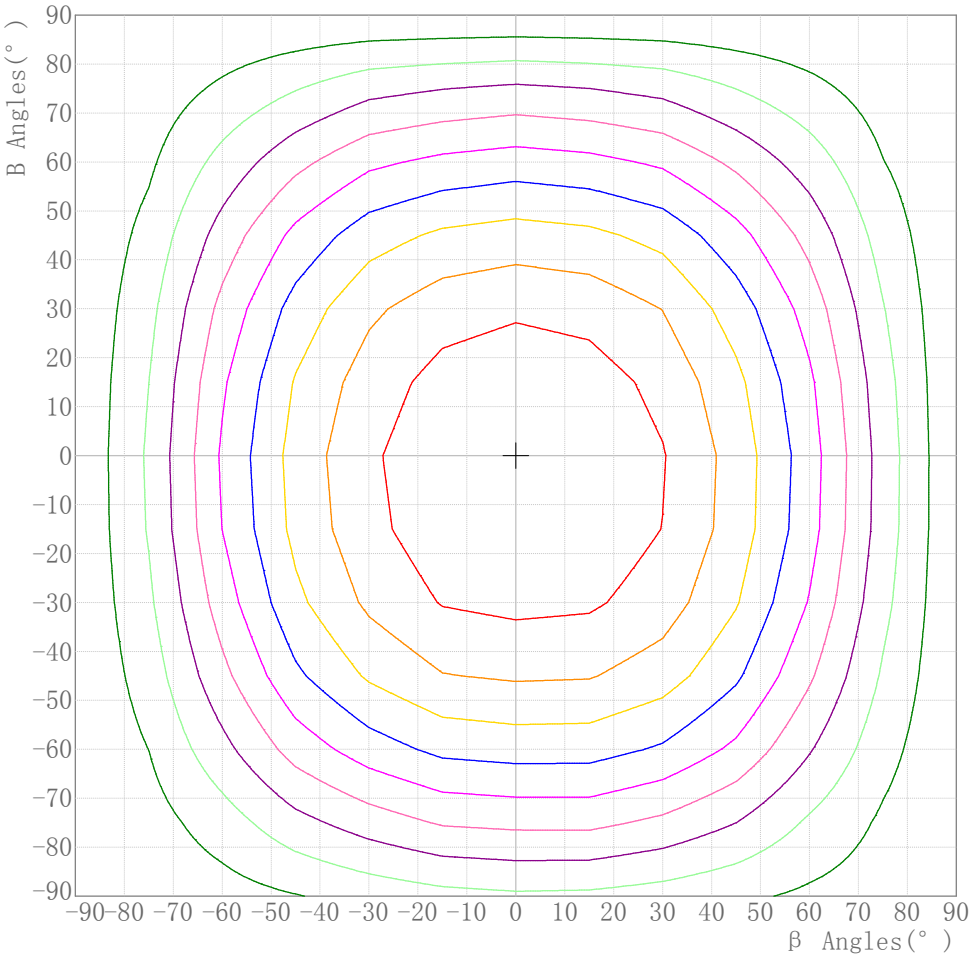
	β 90.0	Total
B-90.0		26.12
B-75.0		47.44
B-60.0		66.12
B-45.0		79.91
B-30.0		88.31
B-15.0		91.73
B0.0		90.45
B15.0		84.64
B30.0		73.83
B45.0		57.65
B60.0		37.56
B75.0		13.87
B90.0		
Total		757.63

IES Flood Report
Photometric Filename: HCP-3456151.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =221.571
[IMax*90%]=199.414
[IMax*80%]=177.257
[IMax*70%]=155.100
[IMax*60%]=132.943
[IMax*50%]=110.785
[IMax*40%]=88.628
[IMax*30%]=66.471
[IMax*20%]=44.314
[IMax*10%]=22.157

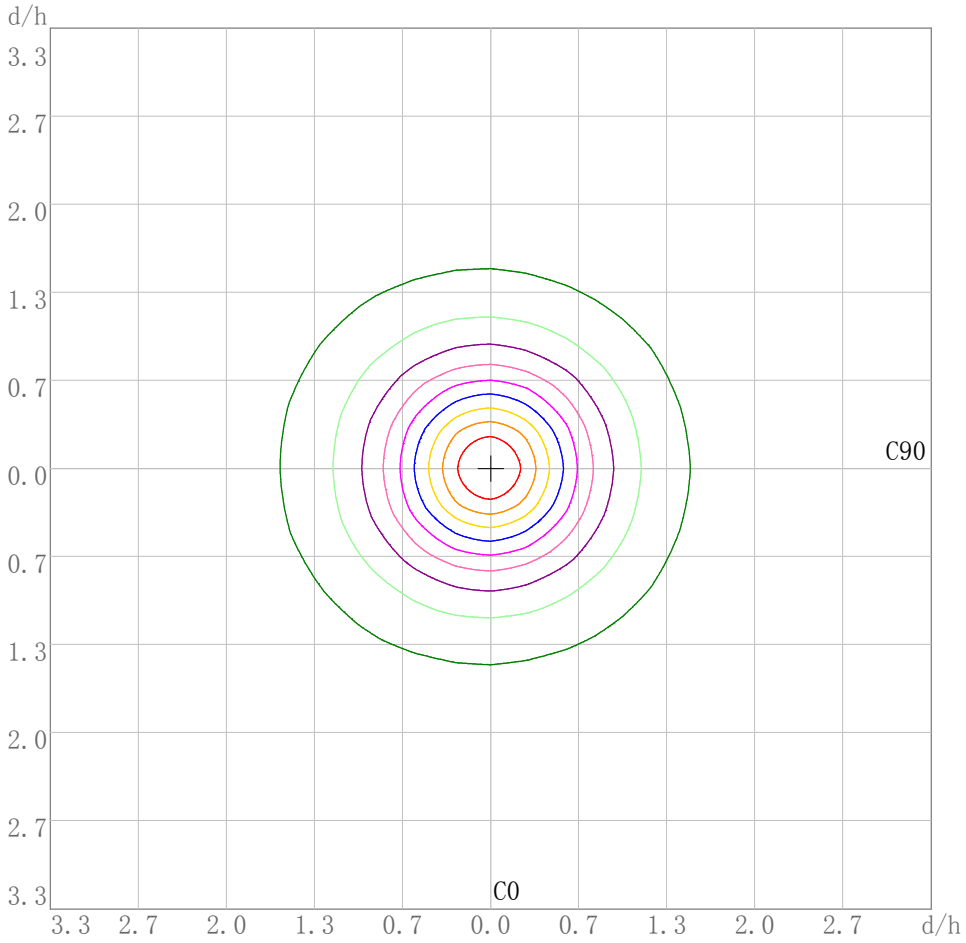
Maximum Light Intensity(cd): 221.57
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3456151.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

Plane ISO-Illuminance Curve



Curves:
unit:lx
[EMax] =24.619
[EMax*90%]=22.157
[EMax*80%]=19.695
[EMax*70%]=17.233
[EMax*60%]=14.771
[EMax*50%]=12.309
[EMax*40%]=9.848
[EMax*30%]=7.386
[EMax*20%]=4.924
[EMax*10%]=2.462

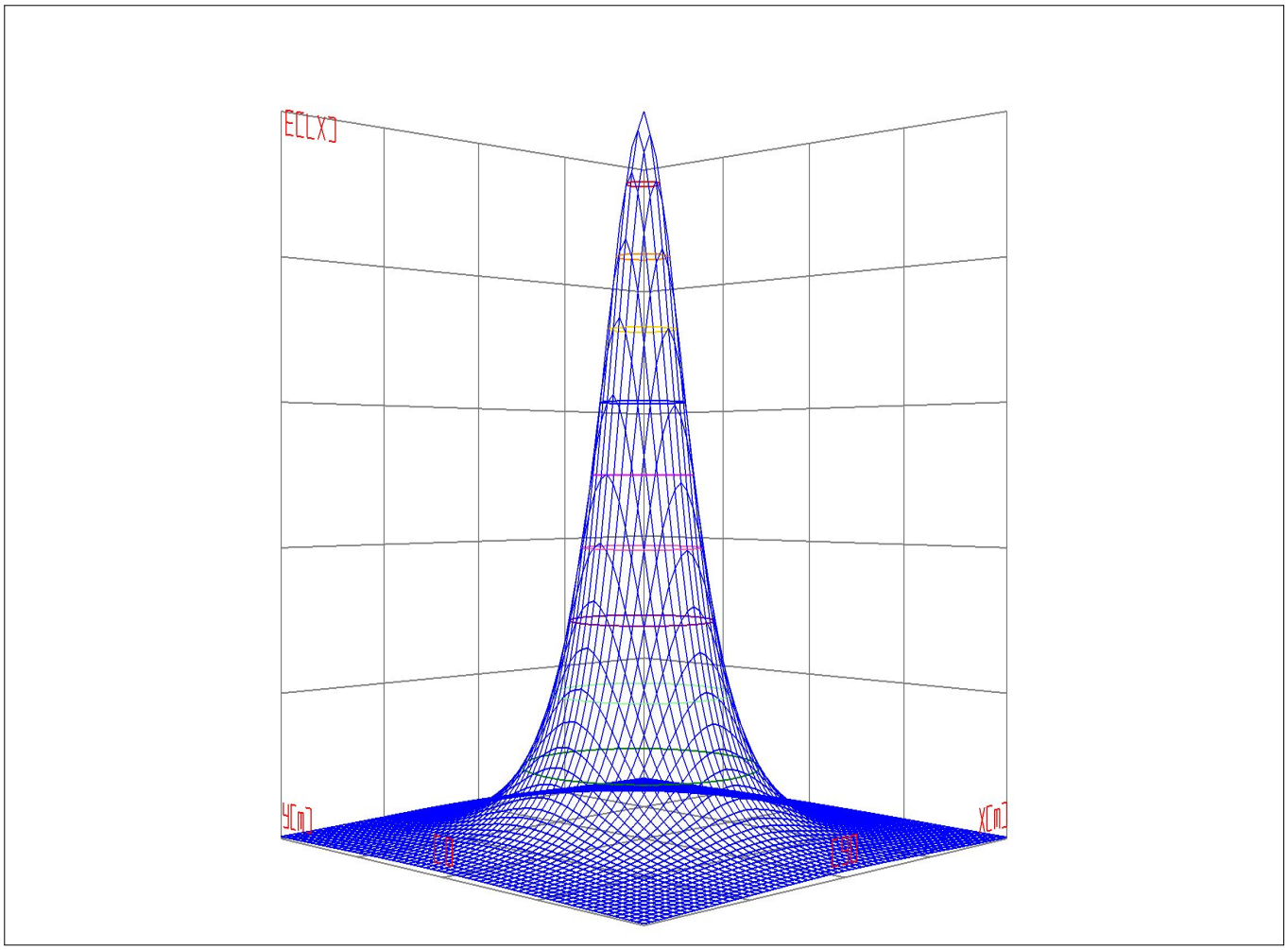
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 24.62
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3456151.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

3D Plane Illuminance Modal



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

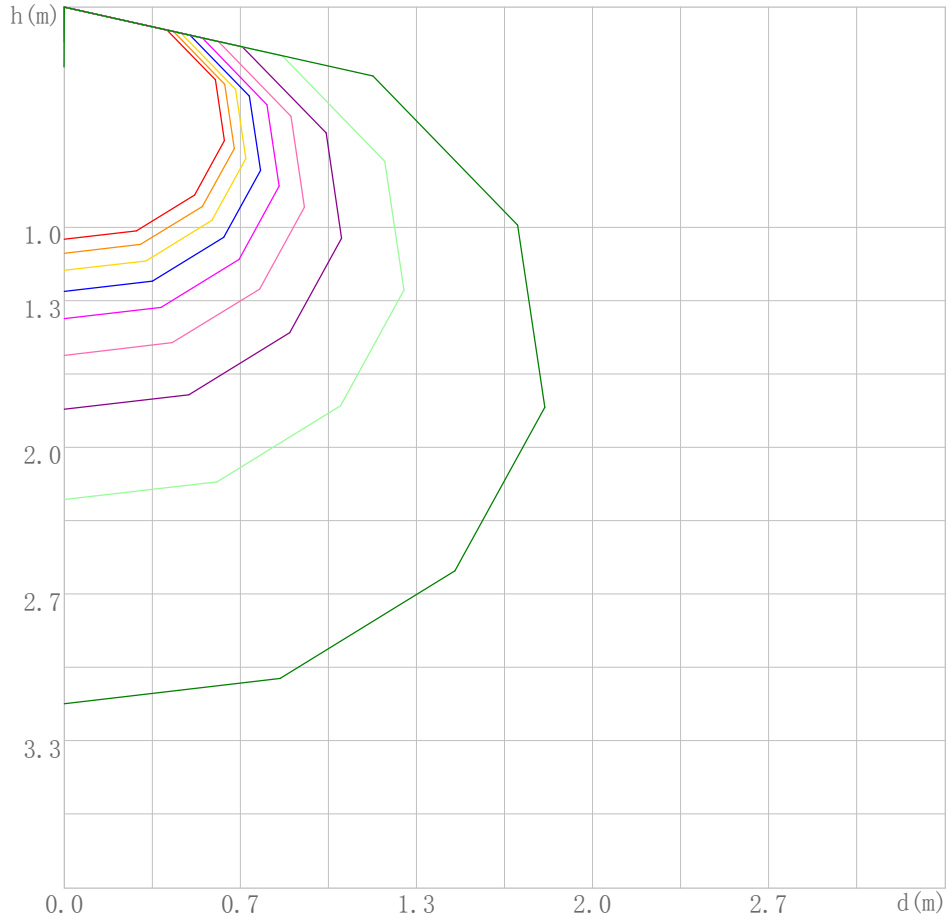
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3456151.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =214.945
[EMax*90%]=193.451
[EMax*80%]=171.956
[EMax*70%]=150.462
[EMax*60%]=128.967
[EMax*50%]=107.473
[EMax*40%]=85.978
[EMax*30%]=64.484
[EMax*20%]=42.989
[EMax*10%]=21.495

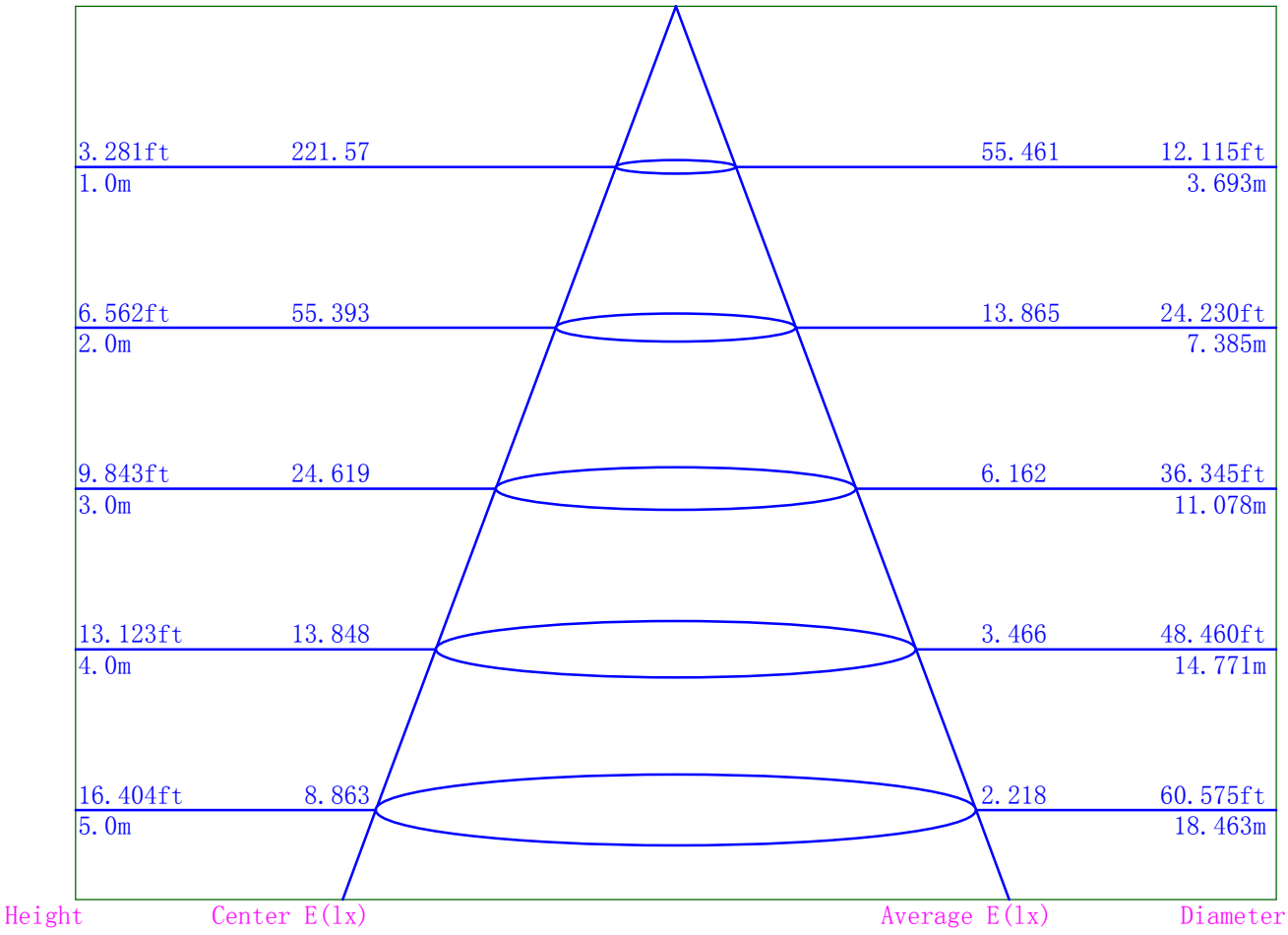
Space Plane Maximum Illuminance and @Angle:214.95lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:221.571cd,0eg

IES Flood Report
Photometric Filename: HCP-3456151.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3456151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/31

Illuminance-Distance Curve



Beam Angle:123.1

IES Flood Report
Photometric Filename: HCP-3456151.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	1.59	5.46	12.65	21.07	30.02	37.41	40.83	39.78	34.56	26.62	17.98	10.25
B-75.0	1.59	12.57	33.55	59.30	77.03	90.90	93.90	94.20	83.65	66.55	40.97	18.62
B-60.0	1.59	22.29	59.66	97.77	122.33	138.63	142.44	142.02	129.97	106.02	68.32	30.17
B-45.0	1.59	32.02	82.34	128.71	158.18	176.27	180.12	178.82	165.68	136.75	91.94	41.54
B-30.0	1.59	40.24	99.42	149.76	181.75	200.74	205.40	202.98	188.36	156.94	109.28	50.69
B-15.0	1.59	46.05	110.97	161.30	193.22	212.85	218.38	214.88	199.05	167.57	119.40	56.15
B0.0	1.59	47.50	113.79	163.74	195.81	214.95	221.57	216.85	200.82	168.61	121.25	56.87
B15.0	1.59	44.20	107.58	156.93	188.24	207.33	213.71	209.38	193.29	160.88	114.91	53.14
B30.0	1.59	37.72	95.01	141.61	172.70	190.13	196.06	192.00	176.81	144.53	101.59	45.59
B45.0	1.59	28.77	75.60	116.76	145.20	159.22	164.87	160.44	147.85	118.74	81.08	34.89
B60.0	1.59	18.49	51.54	82.26	105.92	116.14	121.41	117.03	107.08	83.70	55.41	22.76
B75.0	1.59	9.06	25.99	43.10	59.37	65.91	70.45	66.54	59.90	44.01	28.17	11.62
B90.0	1.59	1.46	1.66	1.80	1.85	1.78	1.85	1.77	1.72	1.62	1.52	1.48

V/H	β 90.0
B-90.0	1.58
B-75.0	1.58
B-60.0	1.58
B-45.0	1.58
B-30.0	1.58
B-15.0	1.58
B0.0	1.58
B15.0	1.58
B30.0	1.58
B45.0	1.58
B60.0	1.58
B75.0	1.58
B90.0	1.58