IES Flood Report
Photometric Filename: HCP-3663145 .IES

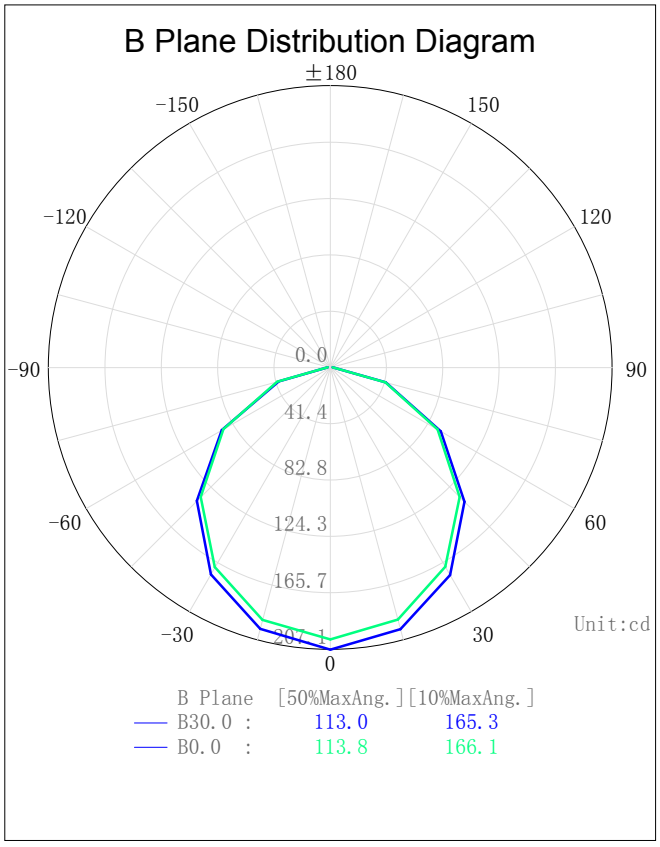
Flood Luminaire Photometric Data

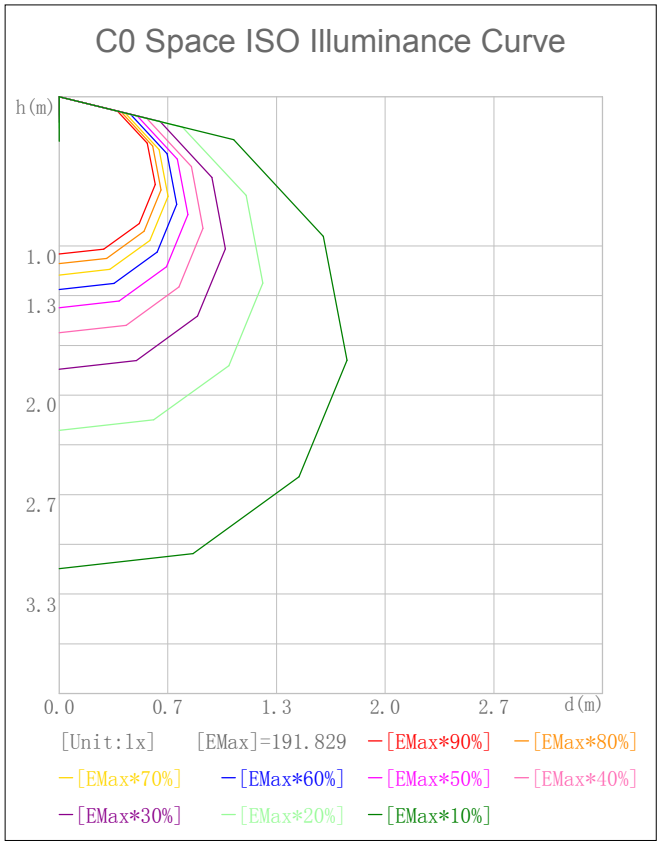
Description Information

Luminary Name: HCP-3663145		Lum. Catelog:	Test ID:
Lamp Name: 2835 5000K		Lamp Catelog:	Test Date: 2019/06/28
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.008m*1.000m*0.010m		Lum.Area(m2):0.018	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):	1236.500	Luminary Flux(lm):	823.079	Beam Lumens(lm):	685.72
Rated Power(W):		Luminary Efficiency:	66.57%	Beam Efficiency(%):	83.31
Rated Voltage(V):		Luminary EER(lm/W):	60.035	Field Lumens(lm):	820.69
Tested Power(W):	13.710	Max.Candela(cd):	207.108	Field Efficiency(%):	99.71
Lamps' Inside:	1	Max Cand@Ang.(°):	B=30.0 β=0.0	ErP Φuse(120°):	538.044lm
Tested Electrics(V,A,pf):24.0,0.590,0.000		Beam Angle(50%)(V,H):	170.7(°),113.0(°)	IRF(%):	91.179
Lamp Size(W*L*H):0.008m*1.000m*0.010m		Field Angle(10%)(V,H):	180.0(°),165.3(°)		





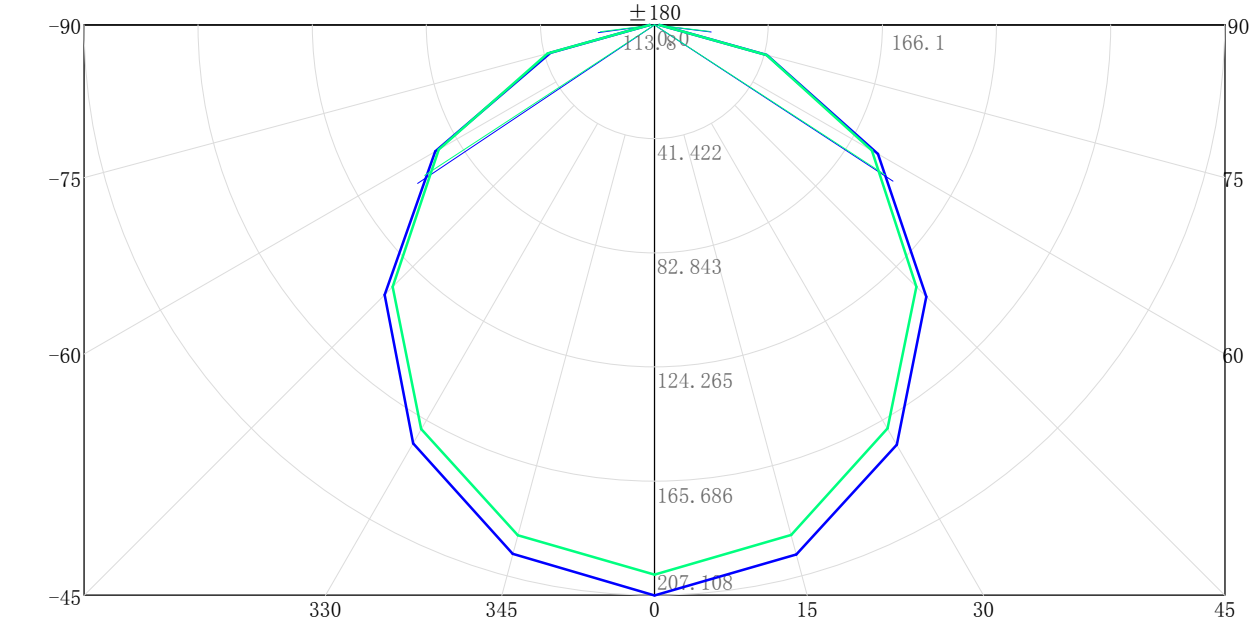
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

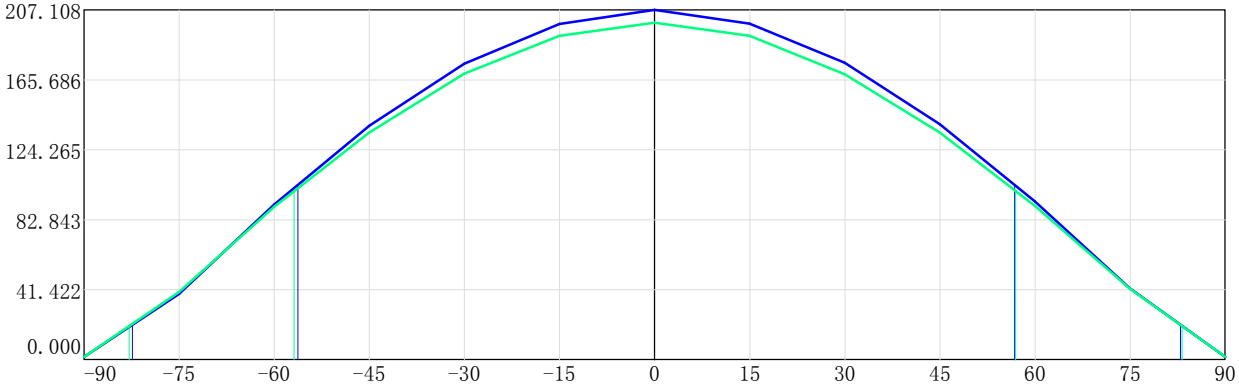
IES Flood Report
Photometric Filename: HCP-3663145 .IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

B Plane Distribution Diagram





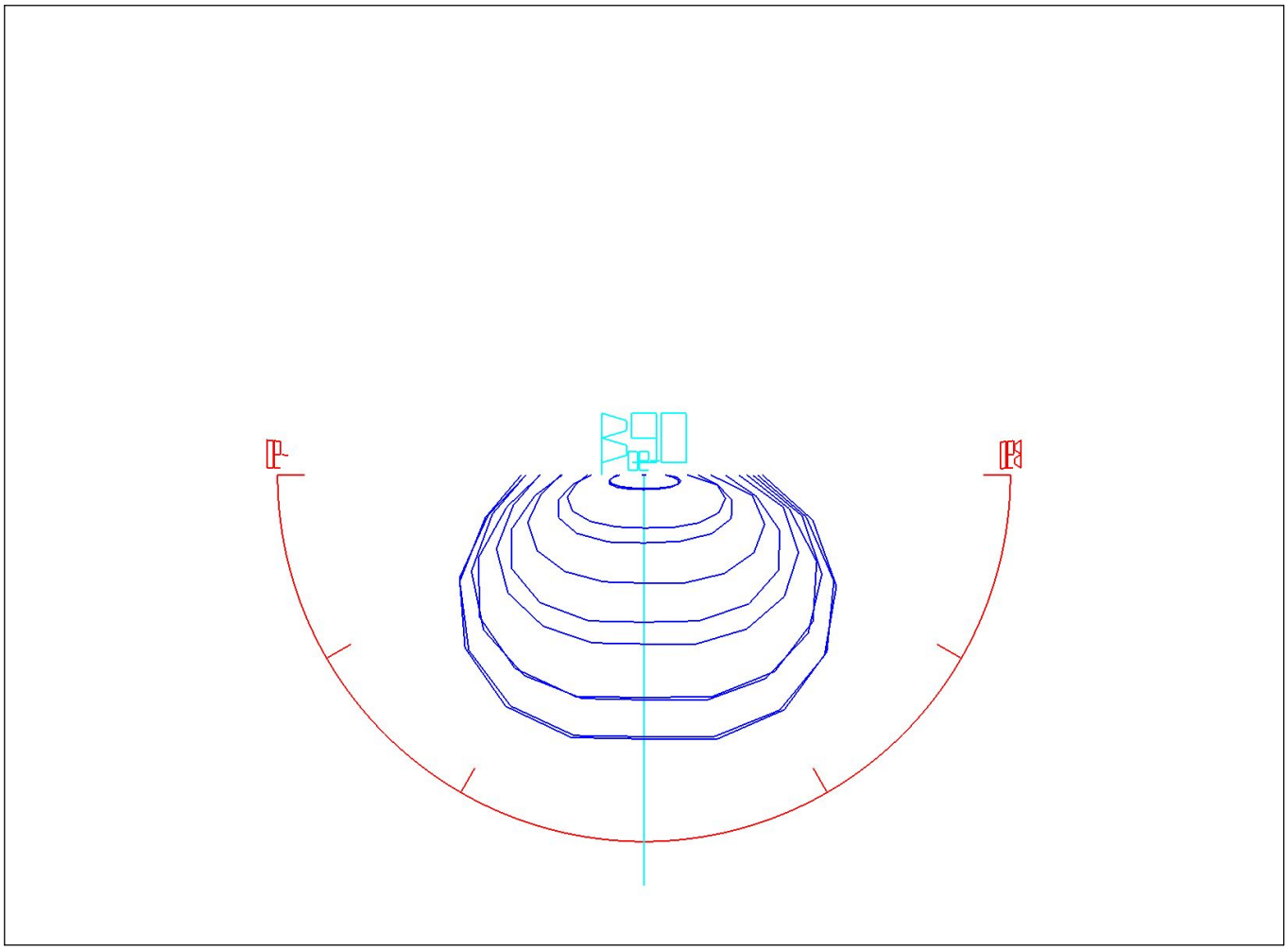
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B30.0 :	113.0	165.3	

IES Flood Report
Photometric Filename: HCP-3663145 .IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

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-3663145 .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	0.10	0.90	2.51	4.49	6.26	7.29	7.29	6.26	4.50	2.55	0.93	0.11	
B-75.0	0.13	1.18	3.33	5.92	8.25	9.59	9.59	8.22	5.90	3.31	1.18	0.13	
B-60.0	0.15	1.45	4.09	7.27	10.08	11.71	11.70	10.05	7.23	4.06	1.45	0.16	
B-45.0	0.18	1.64	4.59	8.13	11.25	13.07	13.06	11.22	8.08	4.56	1.65	0.18	
B-30.0	0.19	1.73	4.78	8.45	11.70	13.60	13.59	11.67	8.40	4.75	1.73	0.19	
B-15.0	0.19	1.73	4.74	8.36	11.57	13.46	13.45	11.55	8.33	4.73	1.75	0.19	
B0.0	0.19	1.72	4.73	8.36	11.59	13.50	13.50	11.60	8.37	4.76	1.76	0.20	
B15.0	0.18	1.72	4.79	8.49	11.80	13.74	13.75	11.82	8.53	4.85	1.78	0.20	
B30.0	0.17	1.65	4.65	8.26	11.46	13.33	13.34	11.48	8.30	4.70	1.72	0.19	
B45.0	0.15	1.47	4.18	7.46	10.37	12.07	12.08	10.39	7.51	4.24	1.54	0.17	
B60.0	0.12	1.19	3.42	6.15	8.58	10.01	10.02	8.61	6.21	3.49	1.27	0.14	
B75.0	0.09	0.89	2.57	4.59	6.37	7.40	7.34	6.23	4.39	2.40	0.88	0.10	
B90.0													
Total	1.85	17.27	48.38	85.93	119.27	138.77	138.71	119.11	85.76	48.41	17.65	1.96	

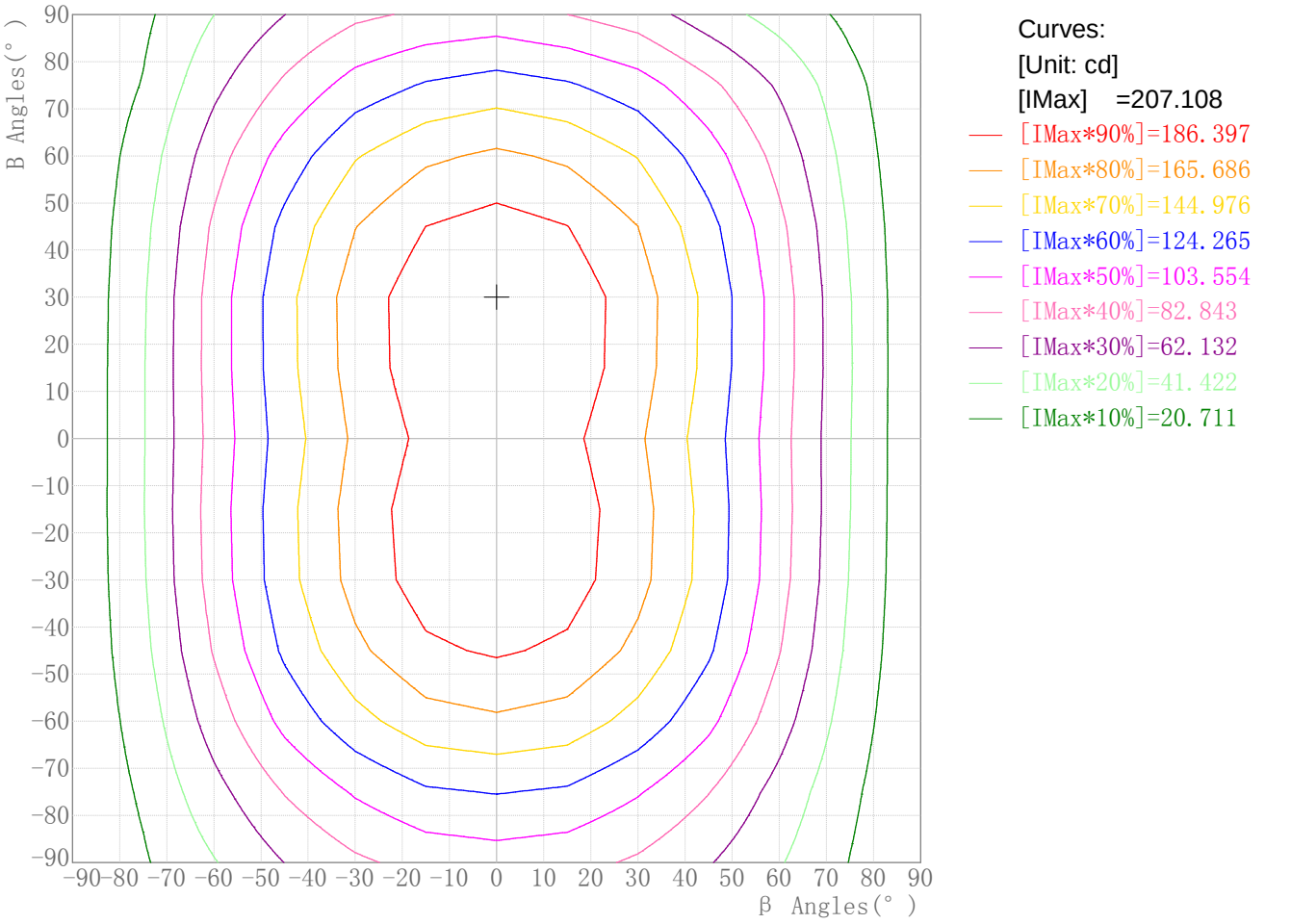
	β 90.0	Total
B-90.0		43.20
B-75.0		56.72
B-60.0		69.41
B-45.0		77.59
B-30.0		80.77
B-15.0		80.06
B0.0		80.28
B15.0		81.65
B30.0		79.26
B45.0		71.64
B60.0		59.22
B75.0		43.26
B90.0		
Total		823.08

IES Flood Report
Photometric Filename: HCP-3663145 .IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

ISO Lighting Intensity Curve



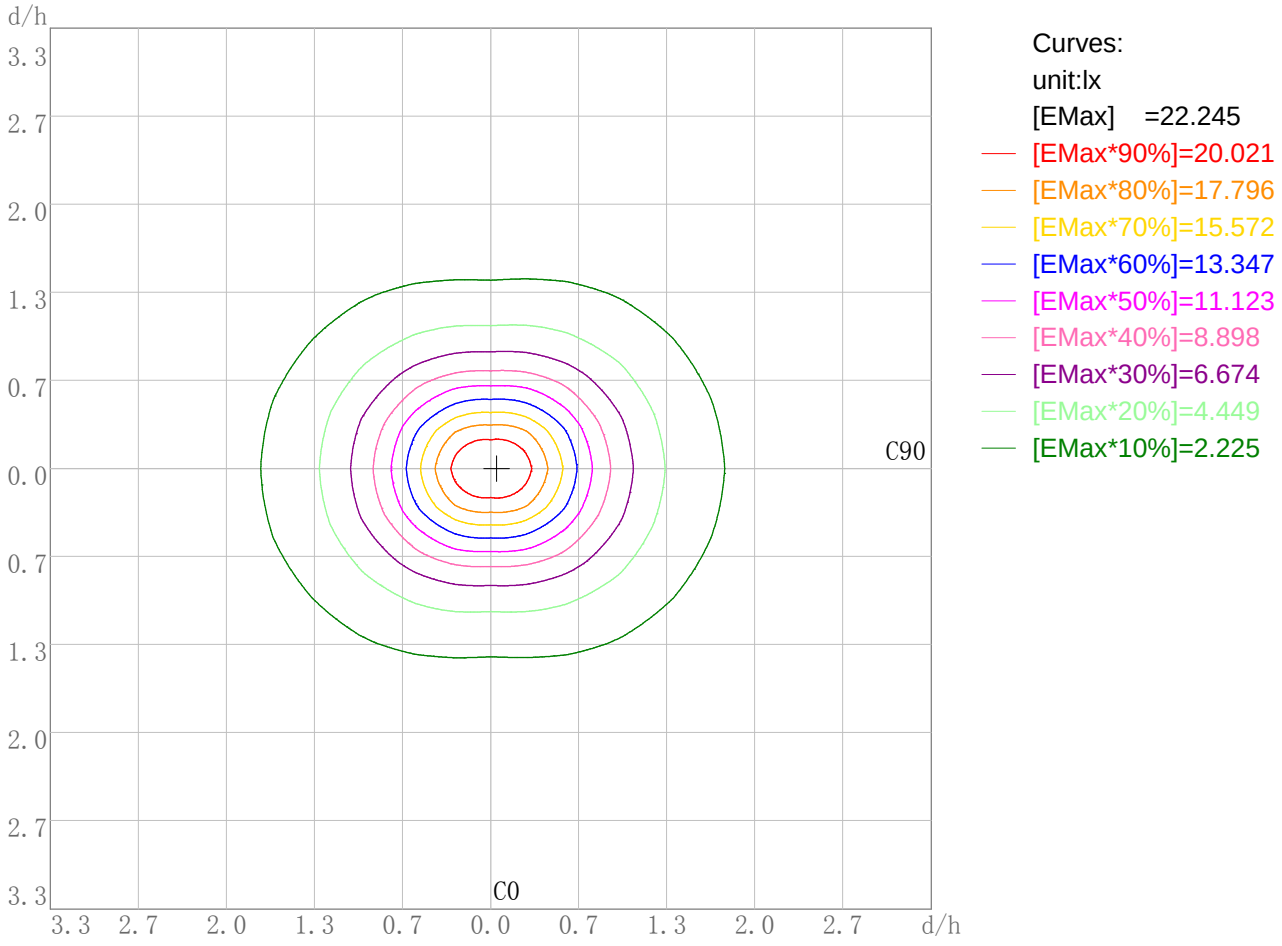
Maximum Light Intensity(cd): 207.11
Maximum Cand.@Angle: H=0.0°,V=30.0°

IES Flood Report
Photometric Filename: HCP-3663145 .IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

Plane ISO-Illuminance Curve



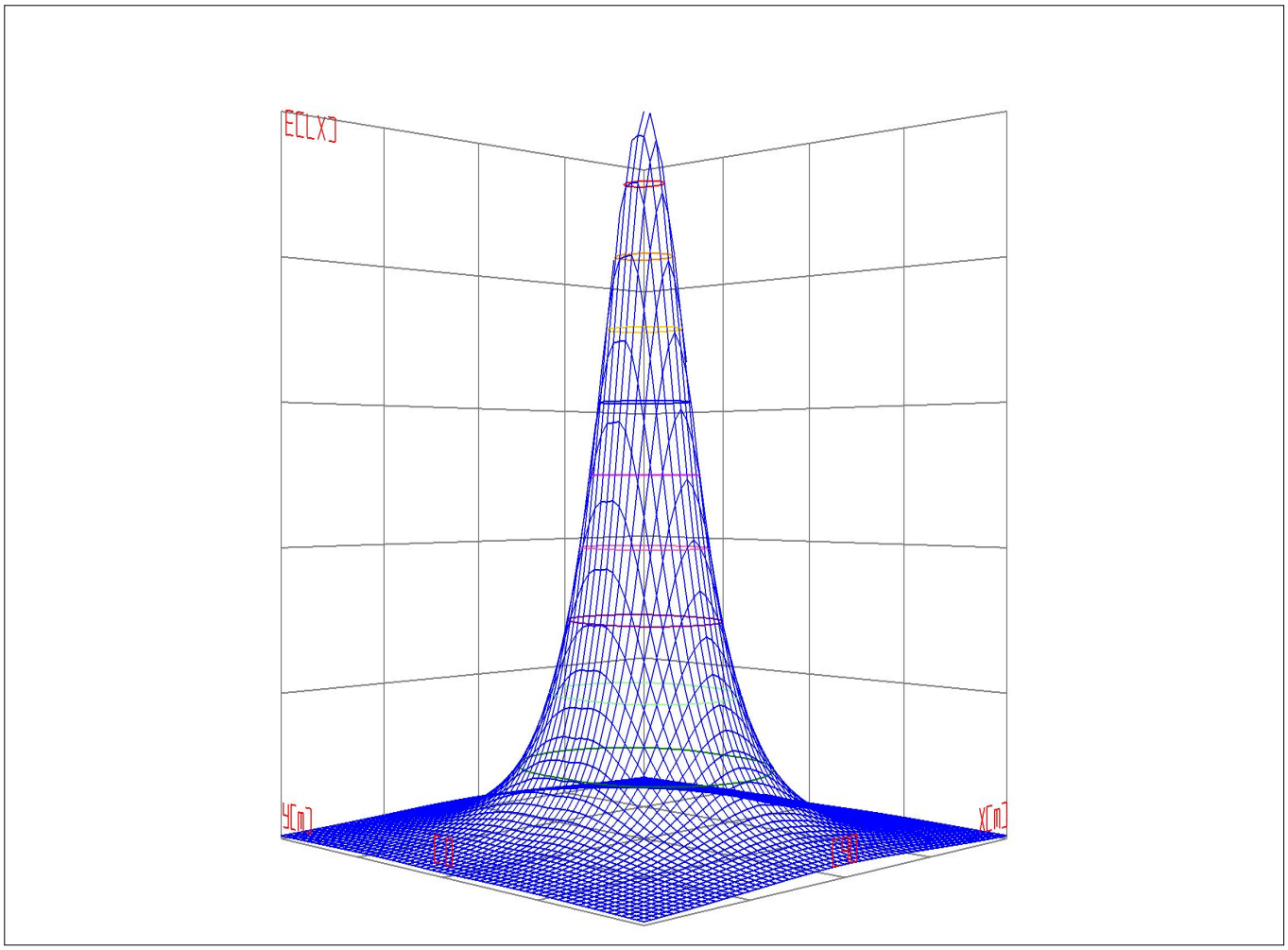
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 22.25
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3663145 .IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

3D Plane Illuminance Modal



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

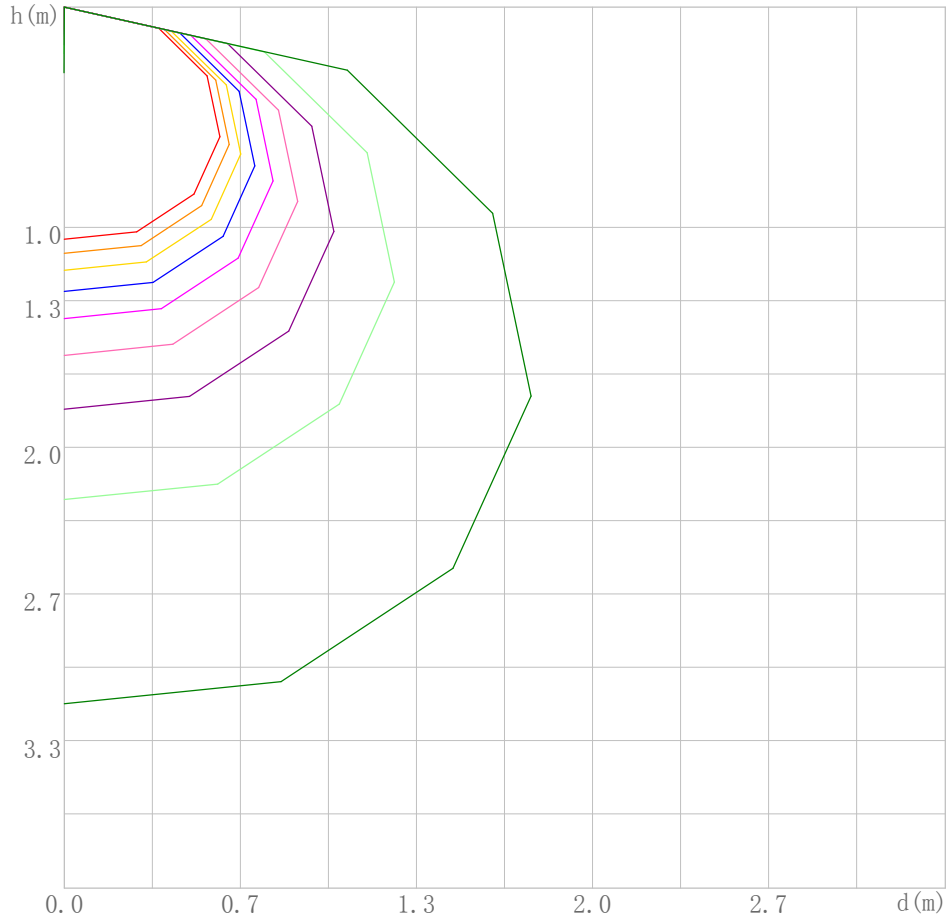
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3663145 .IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =191.829
[EMax*90%]=172.646
[EMax*80%]=153.463
[EMax*70%]=134.280
[EMax*60%]=115.097
[EMax*50%]=95.914
[EMax*40%]=76.732
[EMax*30%]=57.549
[EMax*20%]=38.366
[EMax*10%]=19.183

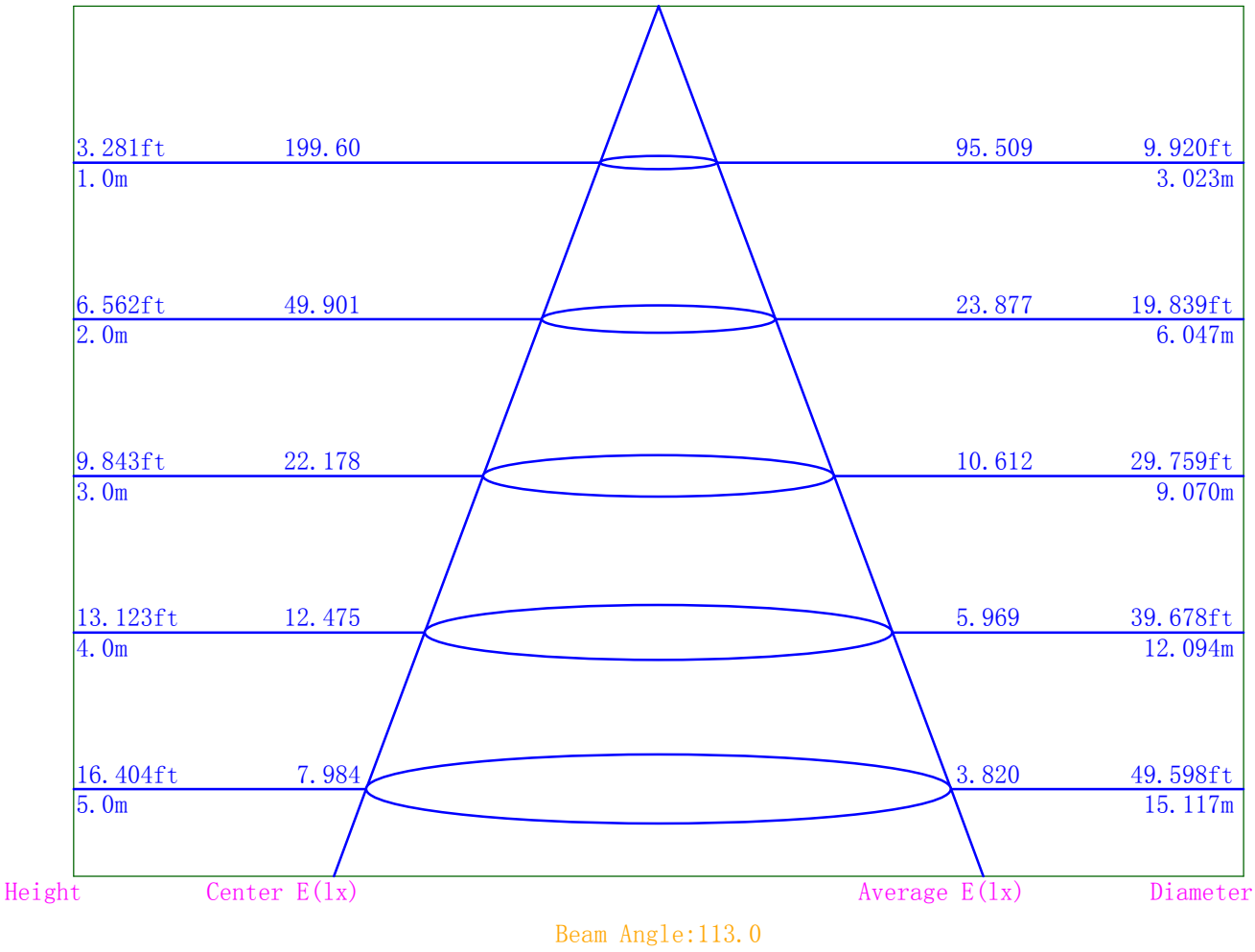
Space Plane Maximum Illuminance and @Angle:191.83lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:199.604cd,0eg

IES Flood Report
Photometric Filename: HCP-3663145 .IES

Illuminance-Distance Diagram

Lum.Name: HCP-3663145	Lum.Catelog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

Illuminance-Distance Curve



Beam Angle:113.0

IES Flood Report
Photometric Filename: HCP-3663145 .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	1.69	18.42	40.15	62.36	79.10	90.02	93.68	90.16	79.67	63.52	43.16	20.17
B-75.0	1.69	23.71	55.21	83.99	105.91	121.54	125.32	121.40	105.43	83.57	54.64	24.65
B-60.0	1.69	29.88	71.41	109.33	137.78	157.19	162.32	156.93	137.18	108.73	70.82	30.98
B-45.0	1.69	35.85	84.45	128.04	161.02	182.70	189.10	182.37	160.24	127.22	83.83	36.70
B-30.0	1.69	39.34	91.41	137.42	173.05	196.05	203.53	195.72	172.31	136.53	90.77	40.33
B-15.0	1.69	40.59	92.57	138.22	174.55	197.54	205.73	197.20	173.79	137.35	92.19	41.78
B0.0	1.69	40.18	90.52	134.49	169.35	191.83	199.60	191.73	169.10	134.44	91.07	42.07
B15.0	1.69	40.13	91.99	138.20	174.62	198.62	206.65	198.87	175.08	139.00	93.61	42.83
B30.0	1.69	39.10	91.90	138.51	175.37	198.73	207.11	198.98	175.91	139.50	93.74	42.24
B45.0	1.69	35.80	86.12	130.09	165.20	186.48	194.79	186.76	165.74	131.14	87.95	39.03
B60.0	1.69	29.96	73.64	111.91	143.36	161.68	169.51	161.99	144.03	113.10	75.54	33.33
B75.0	1.69	21.78	57.09	86.49	111.99	126.33	133.36	126.71	112.82	87.89	59.11	26.65
B90.0	1.69	16.56	41.29	61.92	78.54	86.56	90.40	82.90	72.19	51.05	33.09	15.86

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