IES Flood Report
Photometric Filename: HCP-3365195.IES

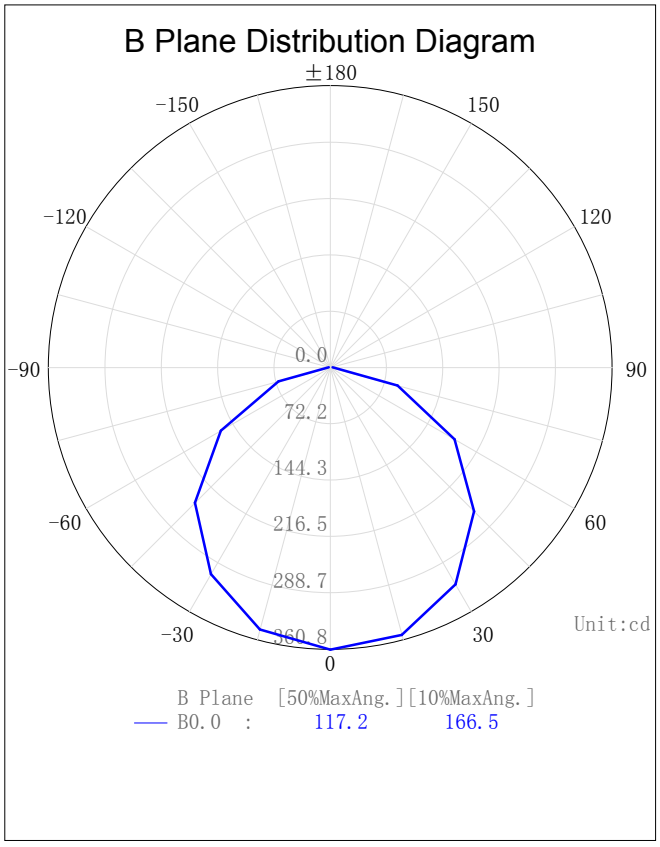
Flood Luminaire Photometric Data

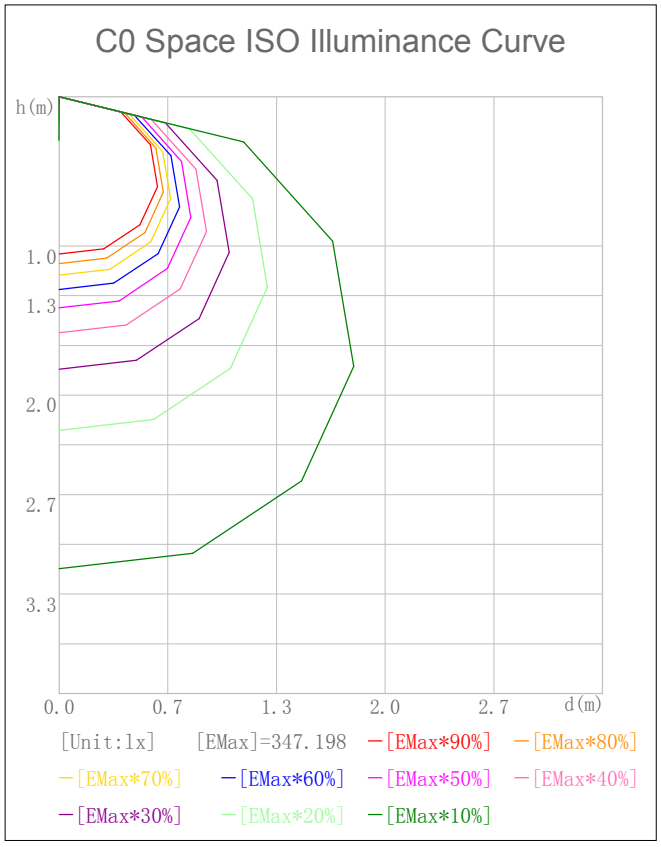
Description Information

Luminary Name: HCP-3365195		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog:	Test Date: 2019/07/17
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):	1384.500	Luminary Flux(lm):	1178.145	Beam Lumens(lm):	878.56
Rated Power(W):		Luminary Efficiency:	85.10%	Beam Efficiency(%):	74.57
Rated Voltage(V):		Luminary EER(lm/W):	62.204	Field Lumens(lm):	1164.19
Tested Power(W):	18.940	Max.Candela(cd):	360.842	Field Efficiency(%):	98.82
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	852.9141m
Tested Electrics(V,A,pf):24.0,0.789,0.000		Beam Angle(50%)(V,H):	129.2(°),117.2(°)	IRF(%):	104.690
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	177.4(°),166.5(°)		





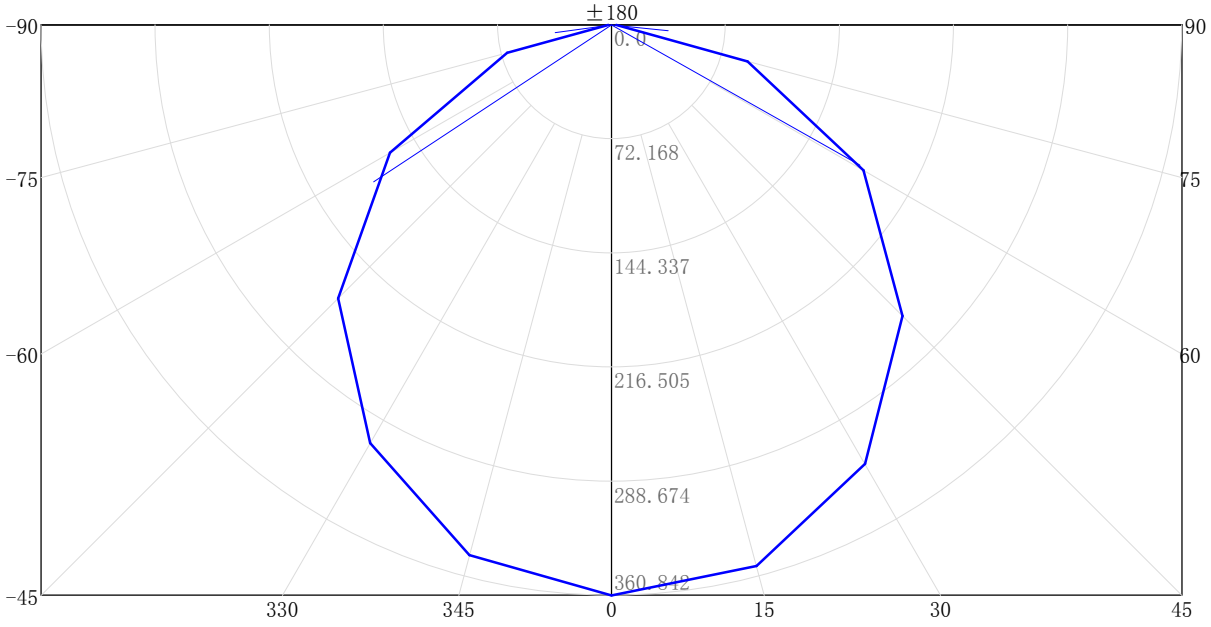
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

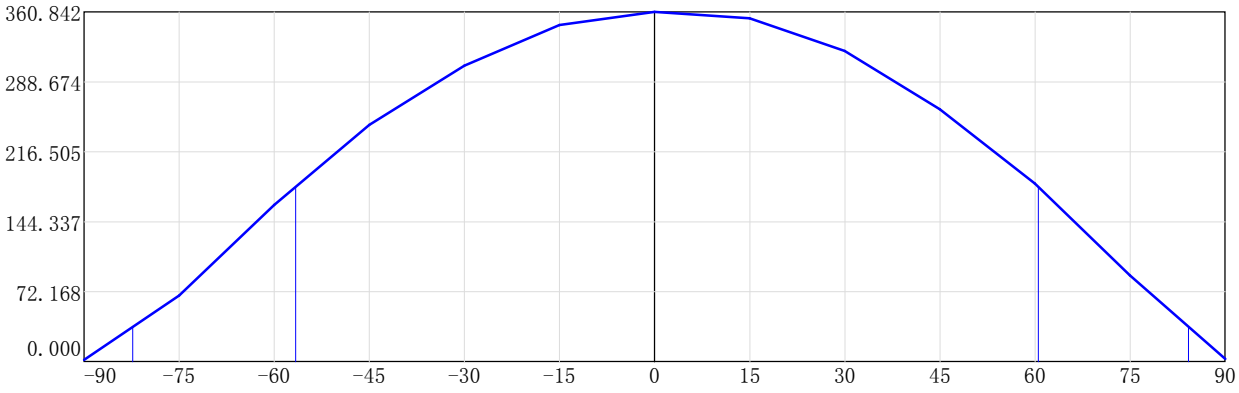
IES Flood Report
Photometric Filename: HCP-3365195.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

B Plane Distribution Diagram





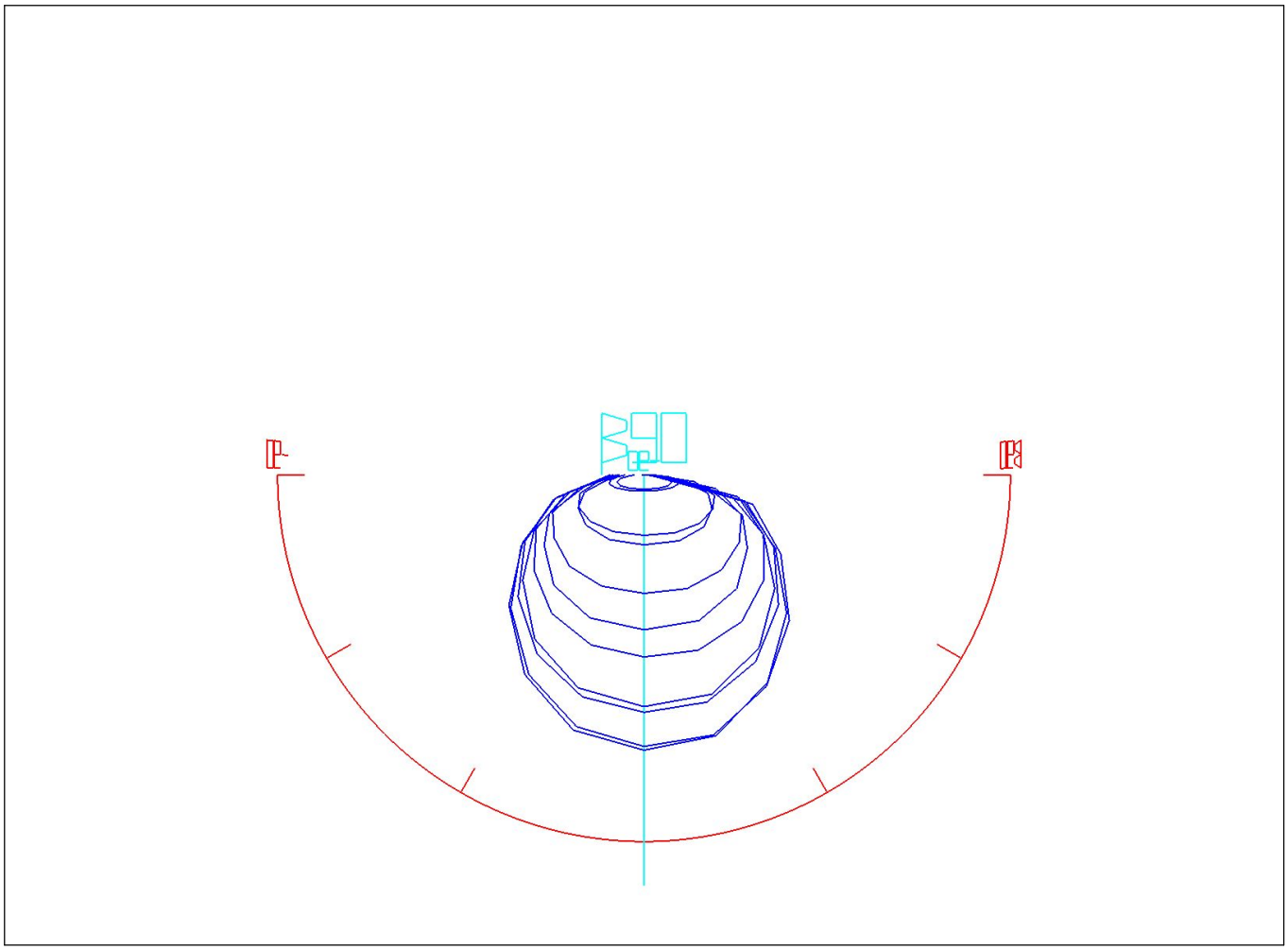
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	117.2	166.5	

IES Flood Report
Photometric Filename: HCP-3365195.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

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-3365195.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	0.08	0.72	1.98	3.48	4.85	5.67	5.70	4.99	3.73	2.30	1.02	0.15	
B-75.0	0.13	1.28	3.72	6.54	8.93	10.42	10.52	9.29	6.97	4.16	1.67	0.21	
B-60.0	0.20	1.89	5.36	9.30	12.63	14.65	14.77	13.05	9.81	5.87	2.32	0.28	
B-45.0	0.25	2.38	6.64	11.61	16.00	18.59	18.73	16.46	12.20	7.23	2.87	0.34	
B-30.0	0.29	2.77	7.73	13.58	18.74	21.77	21.95	19.30	14.27	8.42	3.29	0.39	
B-15.0	0.31	2.97	8.31	14.64	20.23	23.54	23.76	20.89	15.44	9.07	3.51	0.41	
B0.0	0.31	2.98	8.38	14.80	20.46	23.85	24.09	21.19	15.67	9.18	3.54	0.41	
B15.0	0.29	2.81	7.89	13.97	19.32	22.57	22.84	20.11	14.89	8.70	3.36	0.38	
B30.0	0.26	2.44	6.84	12.13	16.81	19.70	19.97	17.59	13.05	7.62	2.95	0.34	
B45.0	0.20	1.96	5.58	9.84	13.53	15.86	16.12	14.27	10.68	6.29	2.43	0.28	
B60.0	0.13	1.33	3.93	7.09	9.88	11.71	11.94	10.55	7.88	4.60	1.76	0.20	
B75.0	0.06	0.53	1.54	2.89	4.20	5.16	5.34	4.73	3.52	2.03	0.82	0.11	
B90.0													
Total	2.52	24.05	67.89	119.86	165.58	193.48	195.73	172.42	128.09	75.47	29.53	3.50	

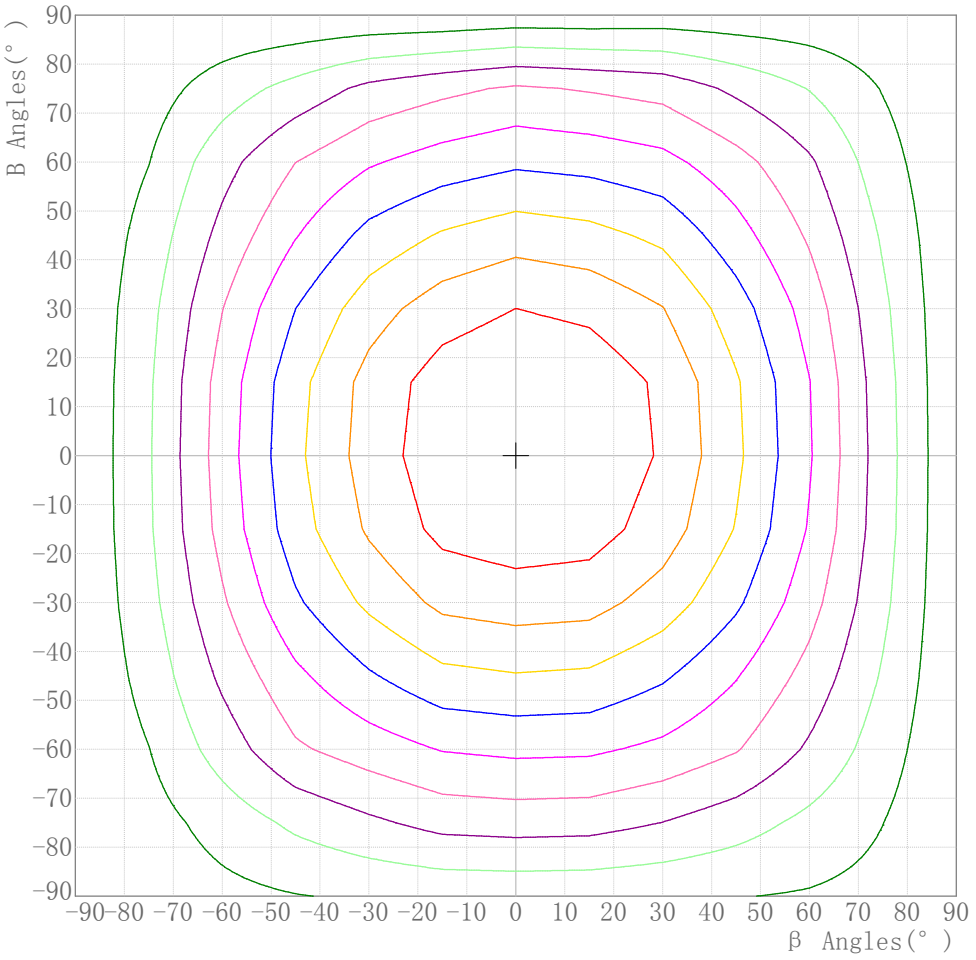
	β 90.0	Total
B-90.0		34.66
B-75.0		63.84
B-60.0		90.13
B-45.0		113.30
B-30.0		132.49
B-15.0		143.08
B0.0		144.84
B15.0		137.15
B30.0		119.70
B45.0		97.04
B60.0		71.00
B75.0		30.91
B90.0		
Total		1178.15

IES Flood Report
Photometric Filename: HCP-3365195.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =360.842
[IMax*90%]=324.758
[IMax*80%]=288.674
[IMax*70%]=252.589
[IMax*60%]=216.505
[IMax*50%]=180.421
[IMax*40%]=144.337
[IMax*30%]=108.253
[IMax*20%]=72.168
[IMax*10%]=36.084

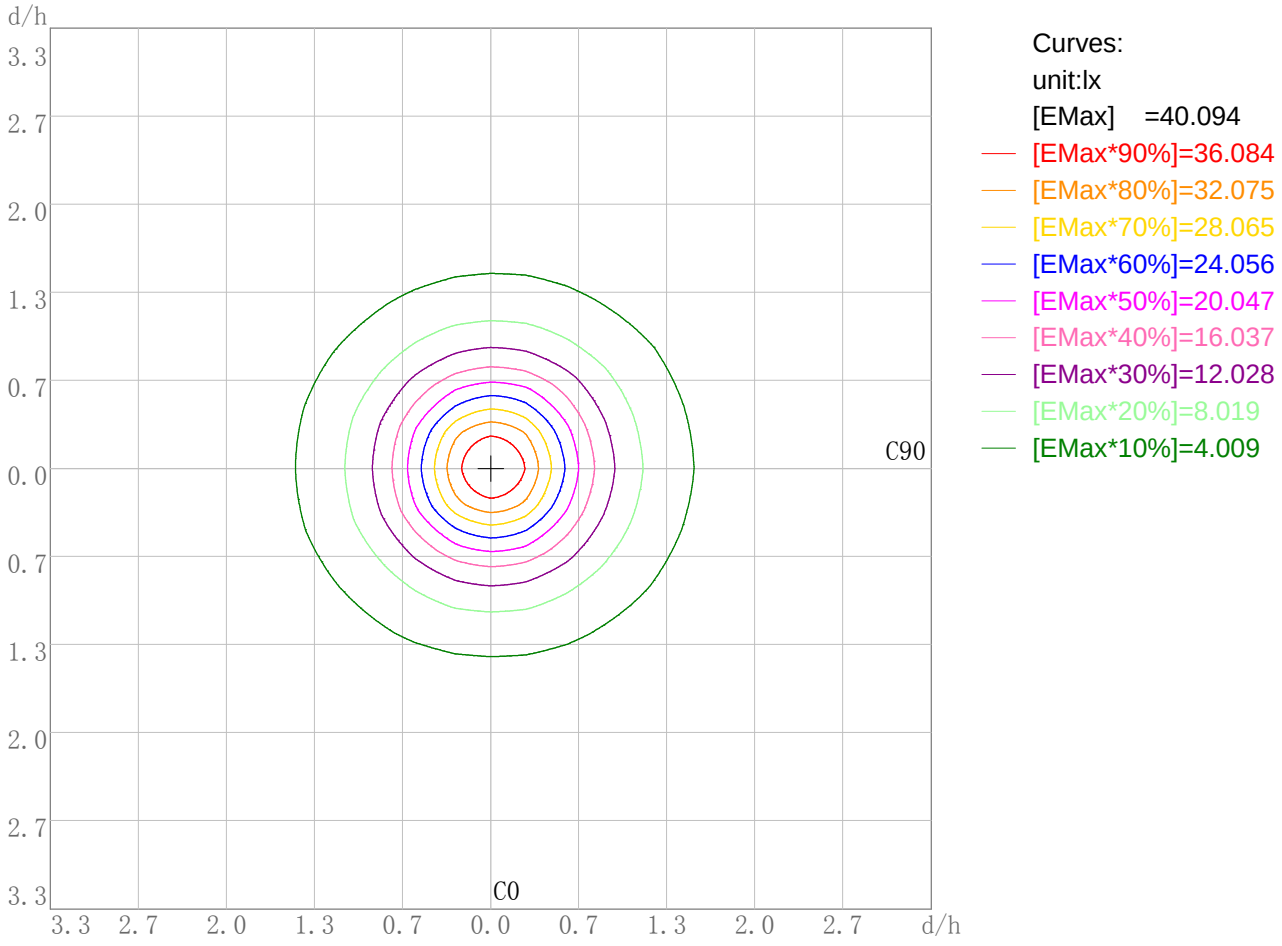
Maximum Light Intensity(cd): 360.84
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365195.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

Plane ISO-Illuminance Curve



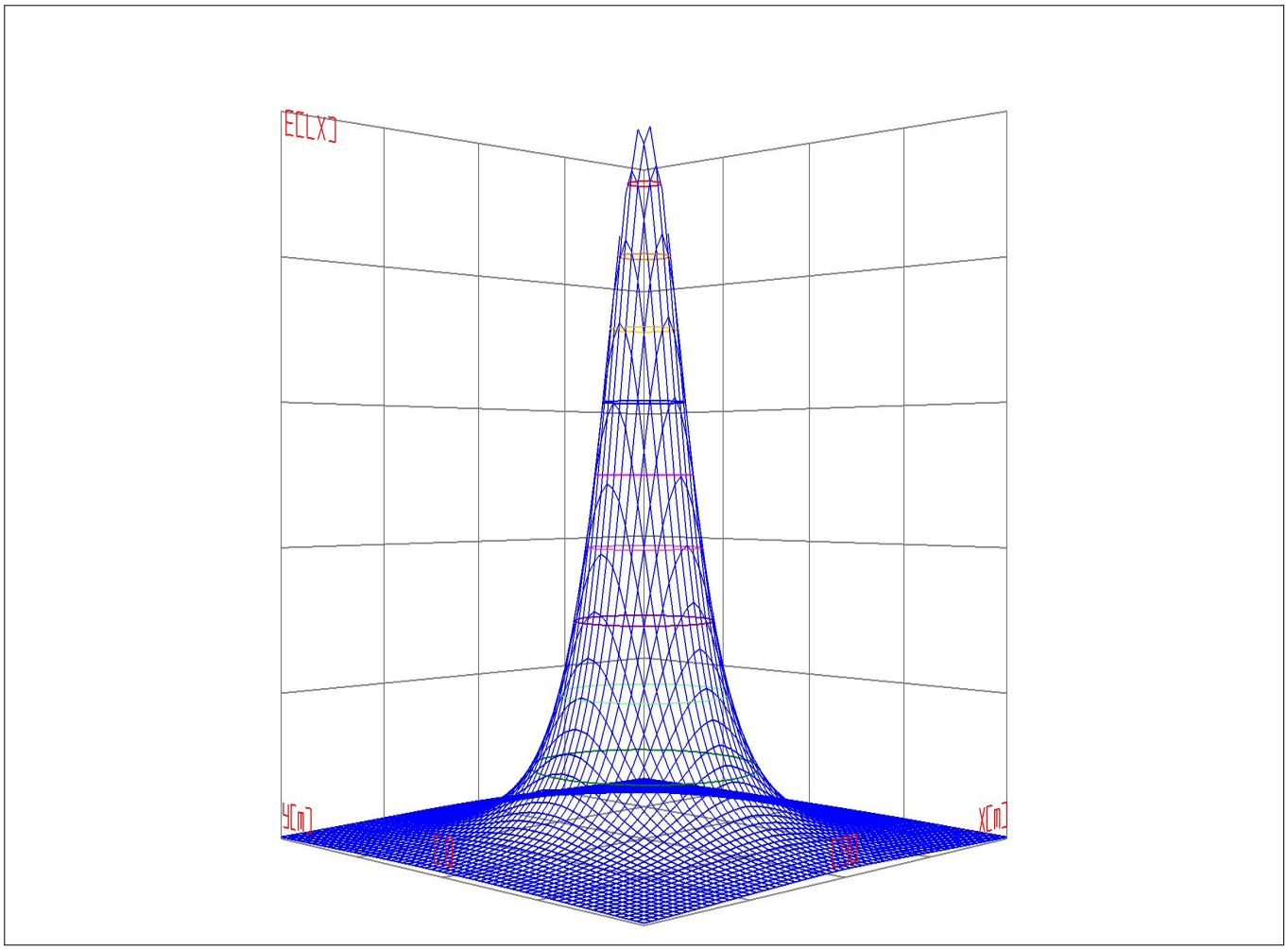
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 40.09
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365195.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

3D Plane Illuminance Modal



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

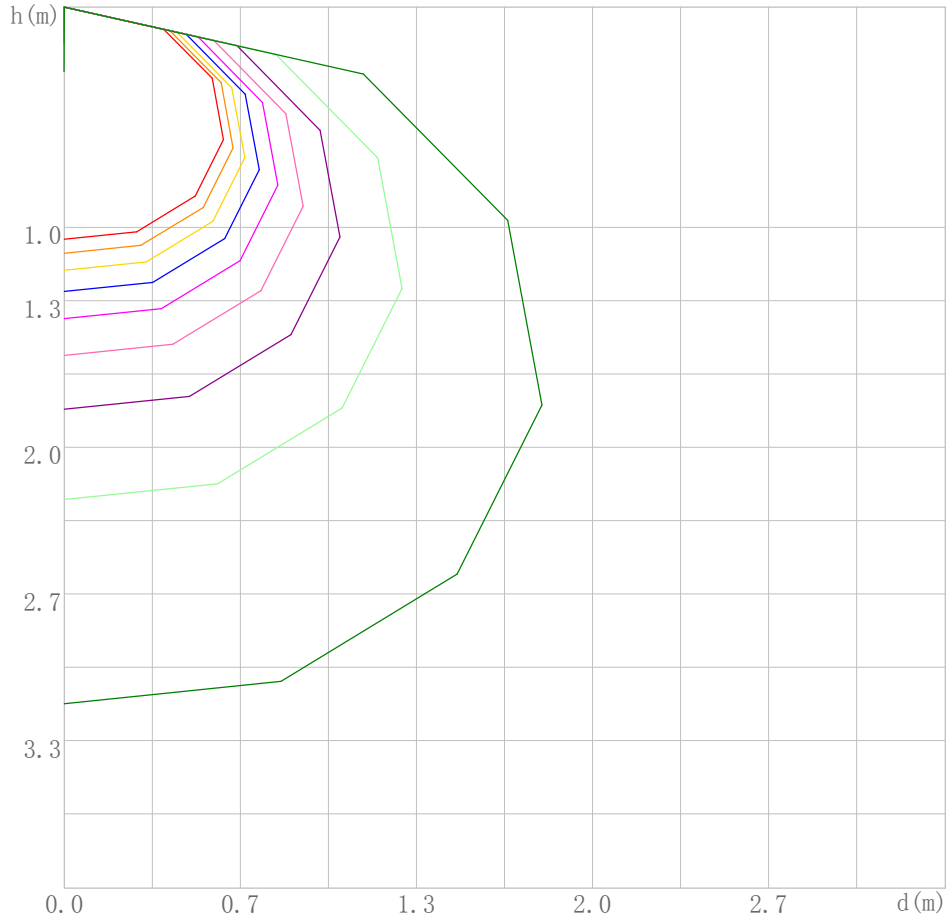
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365195.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

Space ISO Illuminance Curve



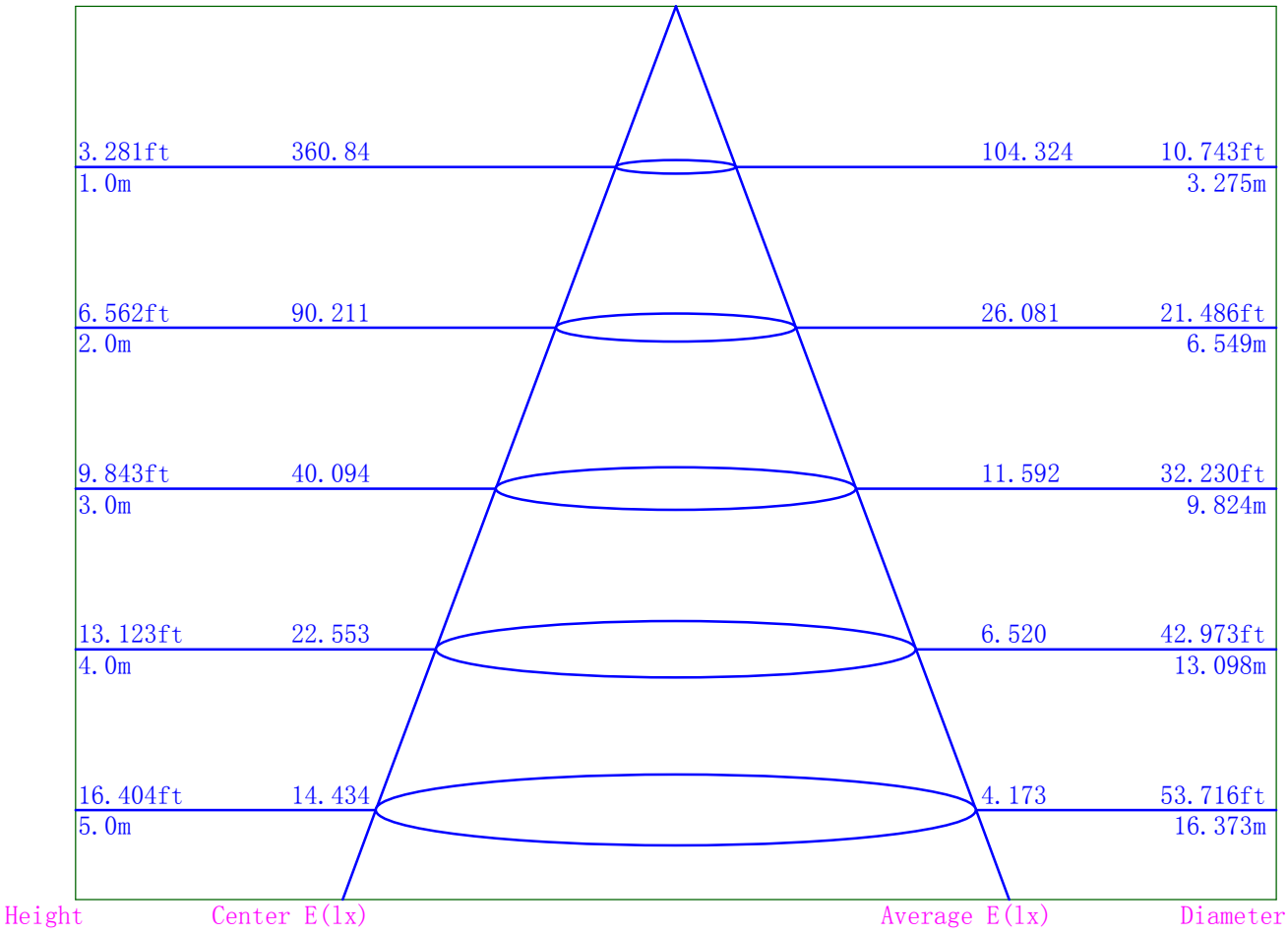
Space Plane Maximum Illuminance and @Angle:347.20lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:360.842cd,0eg

IES Flood Report
Photometric Filename: HCP-3365195.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365195	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/17

Illuminance-Distance Curve



Beam Angle:117.2

IES Flood Report
Photometric Filename: HCP-3365195.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	1.97	12.78	25.69	34.60	40.81	44.55	45.66	44.57	41.88	37.36	32.77	24.65
B-75.0	1.97	21.23	50.33	79.79	101.32	120.29	124.08	122.08	107.74	87.83	62.75	36.48
B-60.0	1.97	35.31	88.31	138.90	162.11	182.27	188.45	186.62	171.93	147.04	102.75	52.72
B-45.0	1.97	49.35	115.64	172.58	212.23	243.49	250.38	246.64	221.84	182.79	131.42	68.32
B-30.0	1.97	60.46	139.30	210.96	260.39	297.43	306.27	302.16	272.01	223.07	158.15	80.41
B-15.0	1.97	66.99	156.41	236.56	293.87	335.23	346.33	341.09	307.25	250.63	177.26	87.21
B0.0	1.97	68.44	161.74	244.45	305.32	347.20	360.84	354.24	320.62	260.41	183.95	89.09
B15.0	1.97	66.86	158.85	240.28	301.45	341.97	357.64	349.59	318.04	256.85	181.45	86.80
B30.0	1.97	61.02	143.43	216.47	272.76	308.03	324.90	316.22	289.99	233.33	165.23	79.67
B45.0	1.97	49.99	119.08	178.38	227.58	256.56	273.27	264.29	244.15	195.15	139.18	67.57
B60.0	1.97	35.23	94.87	143.97	176.30	196.72	209.89	204.16	191.41	157.31	113.26	51.11
B75.0	1.97	19.39	53.77	84.88	117.77	135.24	149.58	141.23	131.53	100.77	70.67	34.24
B90.0	1.97	3.39	4.71	4.28	5.94	7.27	12.37	12.07	14.93	12.26	11.31	8.46

V/H	β 90.0
B-90.0	2.95
B-75.0	2.95
B-60.0	2.95
B-45.0	2.95
B-30.0	2.95
B-15.0	2.95
B0.0	2.95
B15.0	2.95
B30.0	2.95
B45.0	2.95
B60.0	2.95
B75.0	2.95
B90.0	2.95