IES Flood Report
Photometric Filename: HCP-3327202.IES

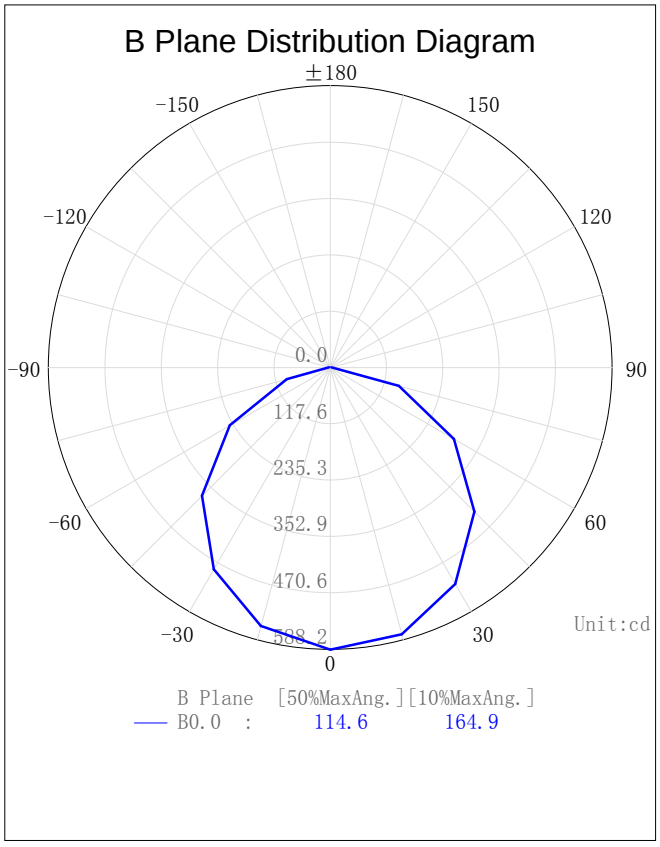
Flood Luminaire Photometric Data

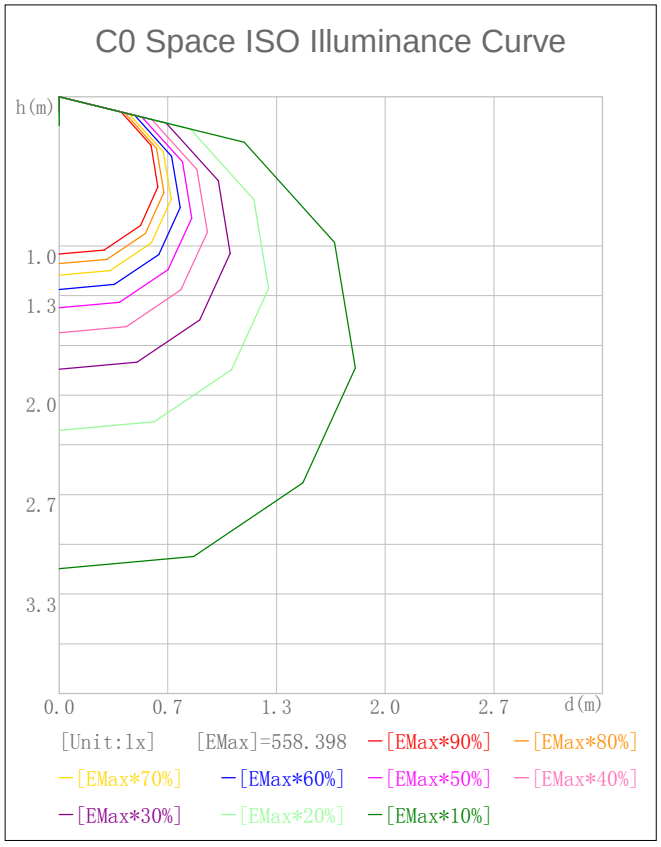
Description Information

Luminary Name: HCP-3327202		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700K		Lamp Catelog:	Test Date: 2019/05/20
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.008m*0.100m*0.010m		Lum.Area(m2):0.002	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):	2117.900	Luminary Flux(lm):	1717.262	Beam Lumens(lm):	1237.27
Rated Power(W):		Luminary Efficiency:	81.08%	Beam Efficiency(%):	72.05
Rated Voltage(V):		Luminary EER(lm/W):	87.259	Field Lumens(lm):	1681.75
Tested Power(W):	19.680	Max.Candela(cd):	588.201	Field Efficiency(%):	97.93
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	1330.070lm
Tested Electrics(V,A,pf):24.0,0.82,0.000		Beam Angle(50%)(V,H):	113.8(°),114.6(°)	IRF(%):	109.330
Lamp Size(W*L*H):0.008m*0.100m*0.010m		Field Angle(10%)(V,H):	166.2(°),164.9(°)		



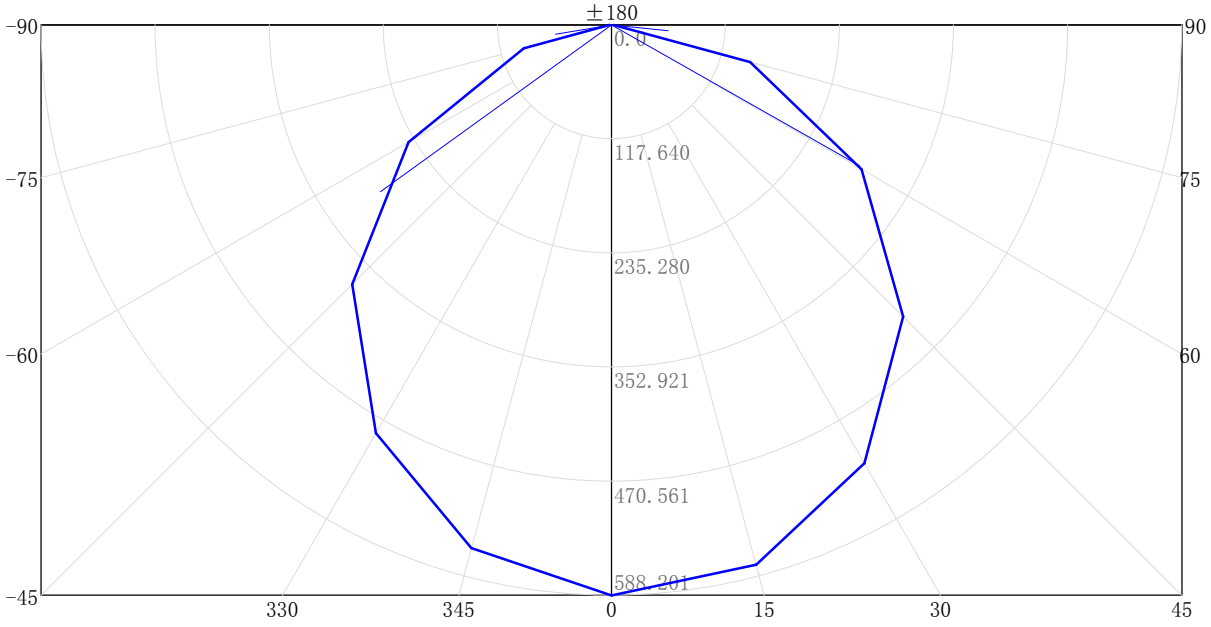


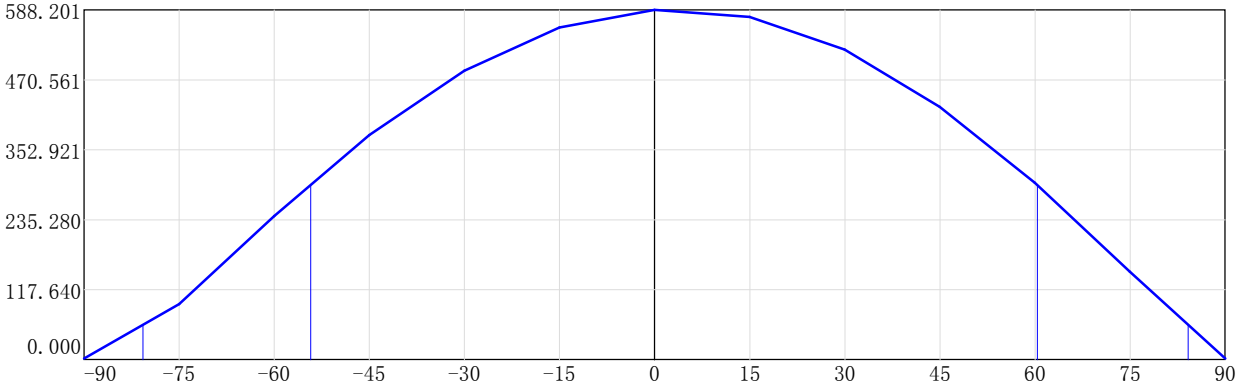
IES Flood Report
Photometric Filename: HCP-3327202.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

B Plane Distribution Diagram





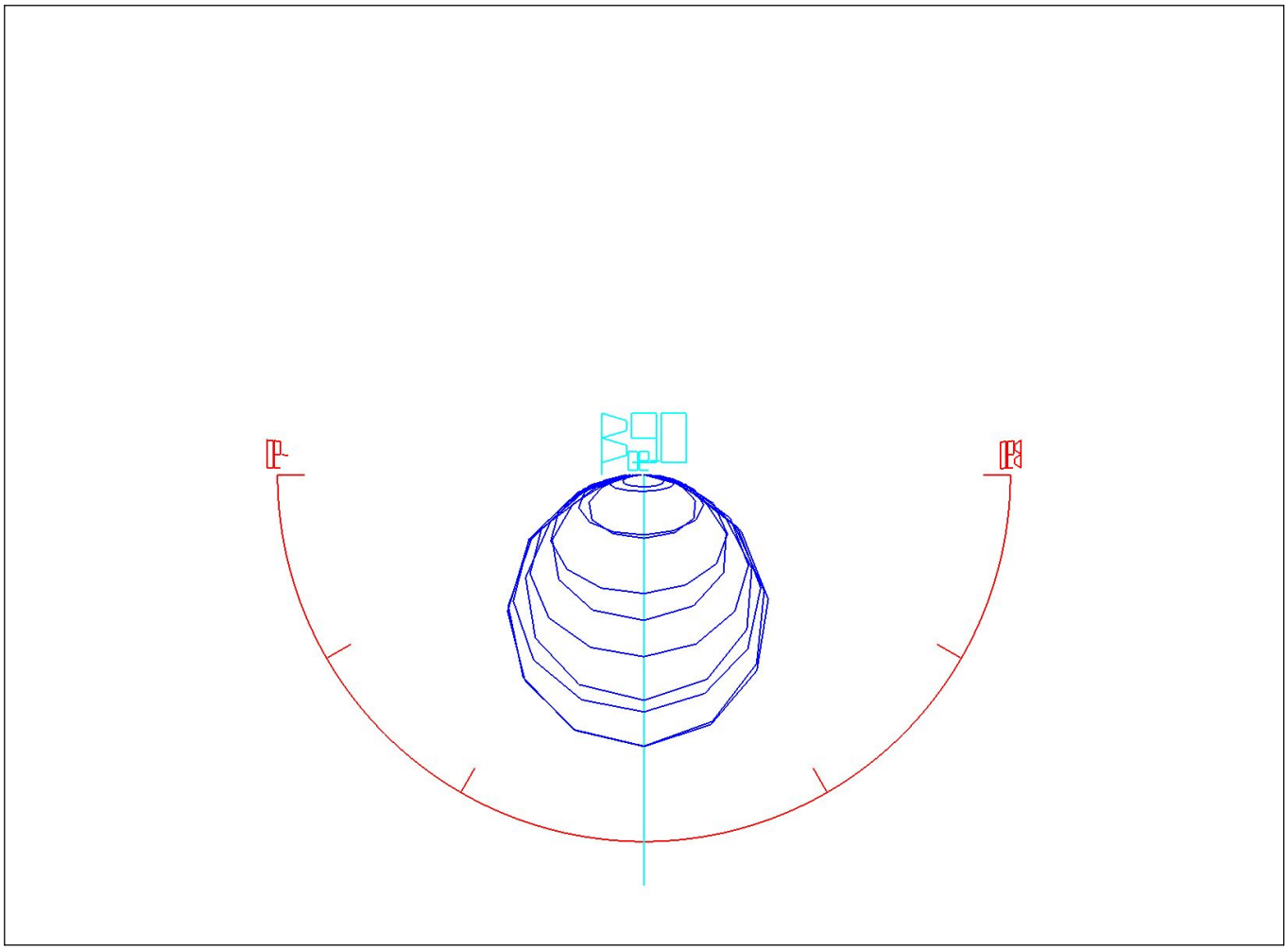
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	114.6	164.9	

IES Flood Report
Photometric Filename: HCP-3327202.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

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-3327202.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	0.53	1.56	2.86	4.19	5.24	5.78	5.60	4.60	3.04	1.38	0.20
B-75.0	0.14	1.36	4.15	7.86	11.58	14.11	14.75	13.33	10.11	6.12	2.51	0.32
B-60.0	0.24	2.39	7.21	13.51	19.55	23.38	24.03	21.33	15.88	9.37	3.69	0.45
B-45.0	0.33	3.33	9.90	18.28	26.05	30.88	31.52	27.81	20.63	12.12	4.72	0.55
B-30.0	0.40	4.00	11.80	21.56	30.49	35.99	36.62	32.22	23.88	14.01	5.43	0.63
B-15.0	0.42	4.32	12.70	23.10	32.56	38.37	38.98	34.26	25.37	14.87	5.77	0.66
B0.0	0.42	4.29	12.56	22.82	32.13	37.87	38.47	33.81	25.04	14.66	5.68	0.65
B15.0	0.39	3.91	11.38	20.74	29.26	34.53	35.12	30.89	22.89	13.39	5.19	0.60
B30.0	0.32	3.17	9.27	17.02	24.10	28.54	29.11	25.67	19.06	11.15	4.34	0.50
B45.0	0.22	2.19	6.46	11.99	17.10	20.36	20.89	18.53	13.83	8.12	3.22	0.38
B60.0	0.12	1.17	3.44	6.42	9.15	10.95	11.35	10.25	7.85	4.75	1.99	0.25
B75.0	0.05	0.36	1.02	1.86	2.61	3.12	3.27	3.05	2.48	1.63	0.78	0.12
B90.0												
Total	3.11	31.03	91.45	168.03	238.76	283.34	289.89	256.76	191.63	113.24	44.71	5.31

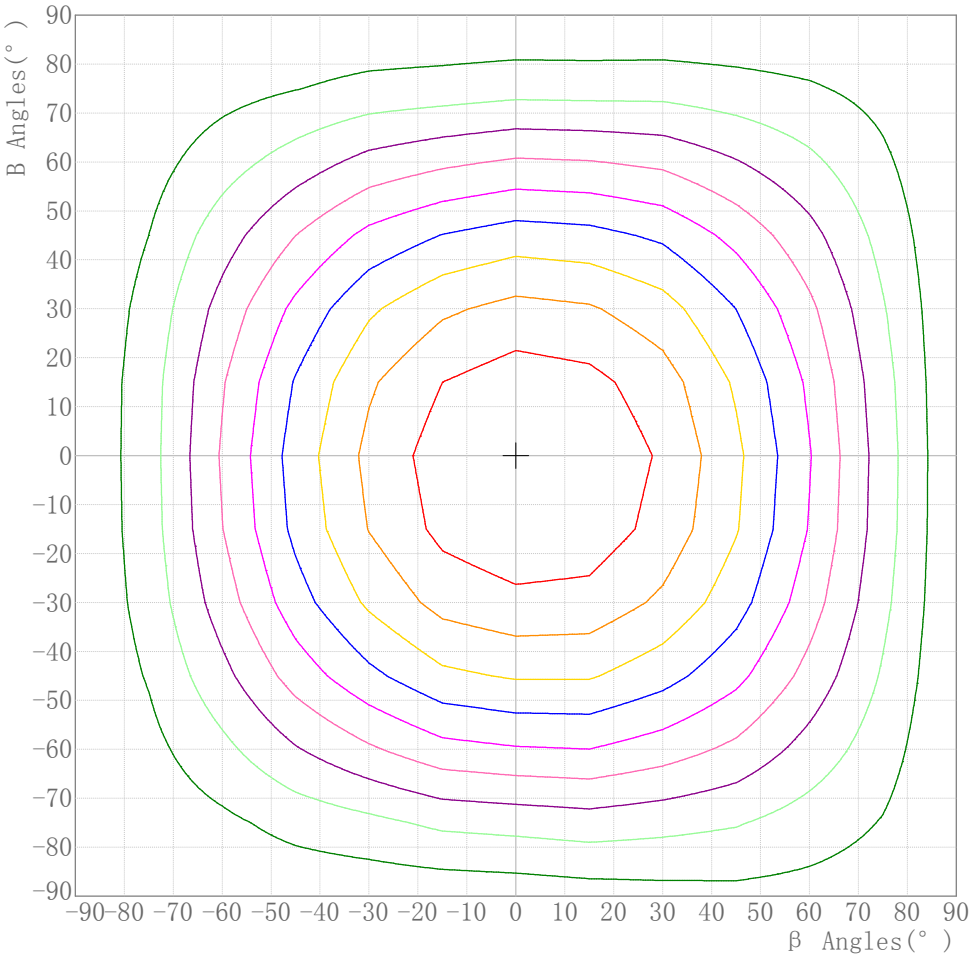
β 90.0	Total
B-90.0	
B-75.0	35.05
B-60.0	86.34
B-45.0	141.03
B-30.0	186.13
B-15.0	217.02
B0.0	231.39
B15.0	228.42
B30.0	208.30
B45.0	172.25
B60.0	123.30
B75.0	67.70
B90.0	20.35
Total	1717.26

IES Flood Report
Photometric Filename: HCP-3327202.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =588.201
[IMax*90%]=529.381
[IMax*80%]=470.561
[IMax*70%]=411.741
[IMax*60%]=352.921
[IMax*50%]=294.100
[IMax*40%]=235.280
[IMax*30%]=176.460
[IMax*20%]=117.640
[IMax*10%]=58.820

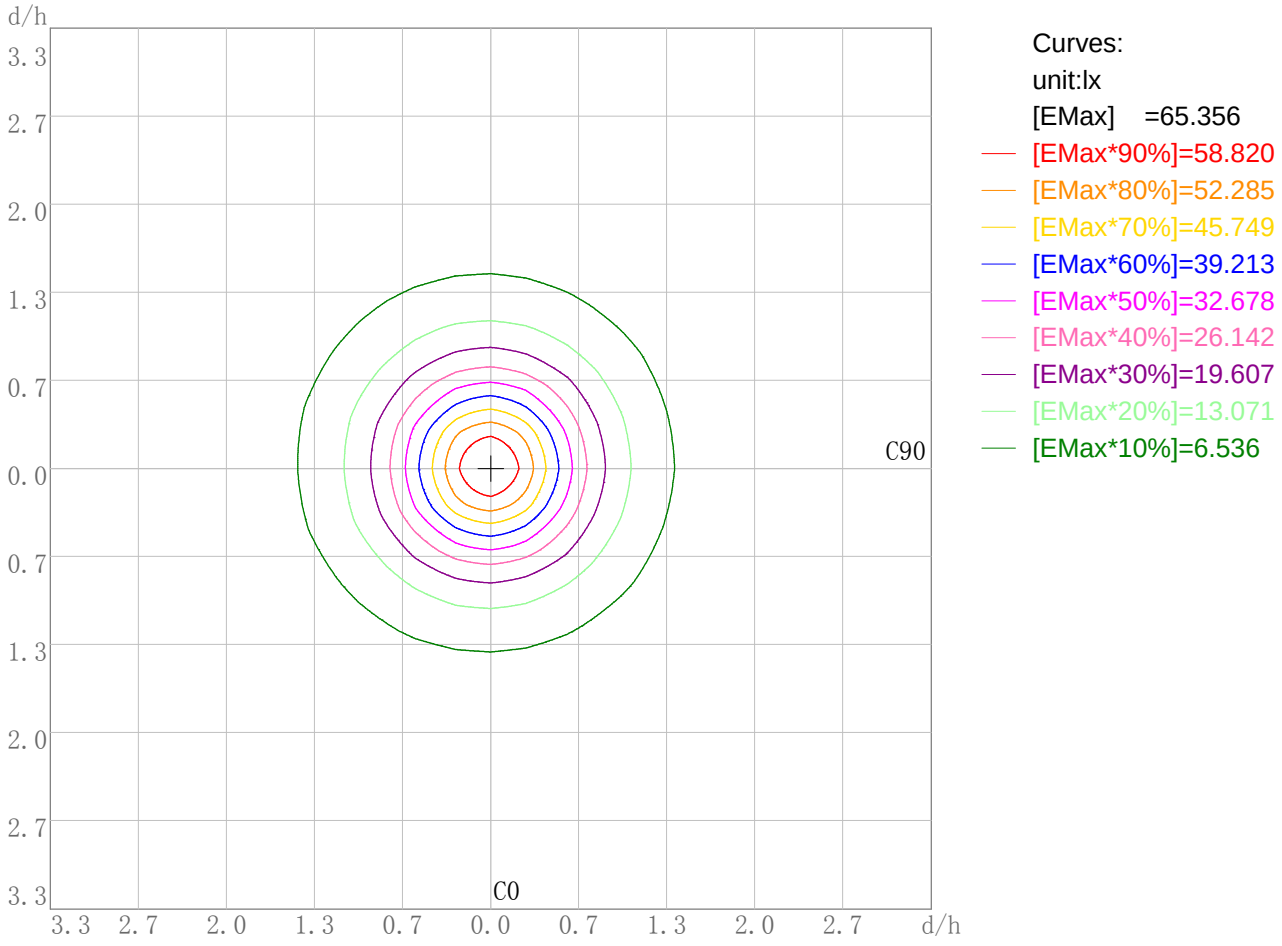
Maximum Light Intensity(cd): 588.20
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3327202.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Plane ISO-Illuminance Curve



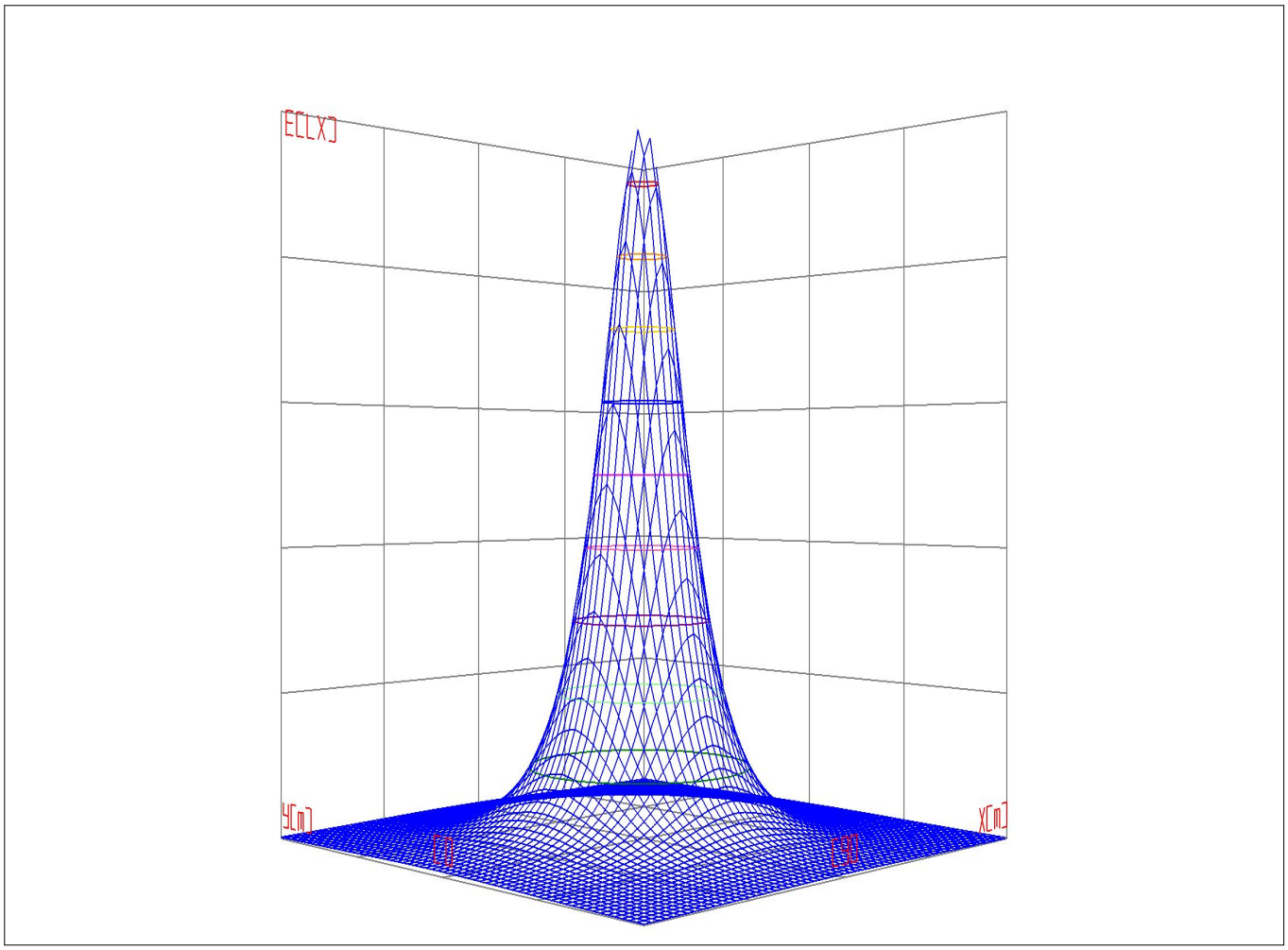
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 65.36
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3327202.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

3D Plane Illuminance Modal



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

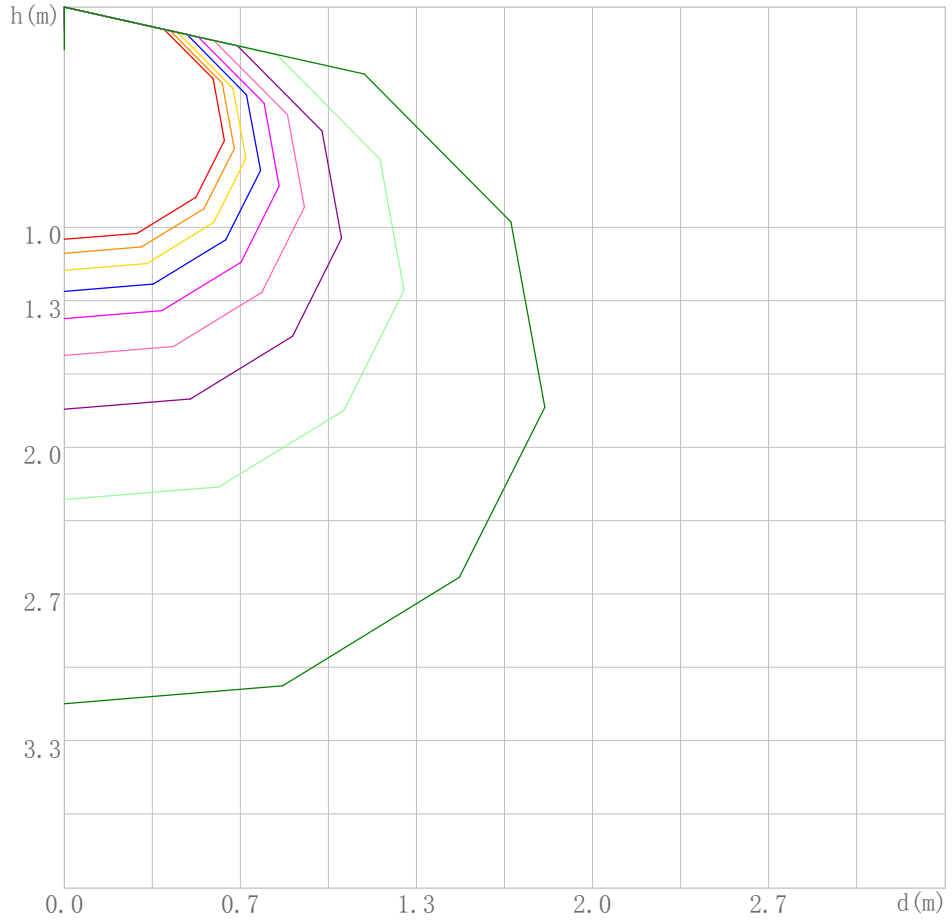
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3327202.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =558.398
[EMax*90%]=502.558
[EMax*80%]=446.718
[EMax*70%]=390.879
[EMax*60%]=335.039
[EMax*50%]=279.199
[EMax*40%]=223.359
[EMax*30%]=167.519
[EMax*20%]=111.680
[EMax*10%]=55.840

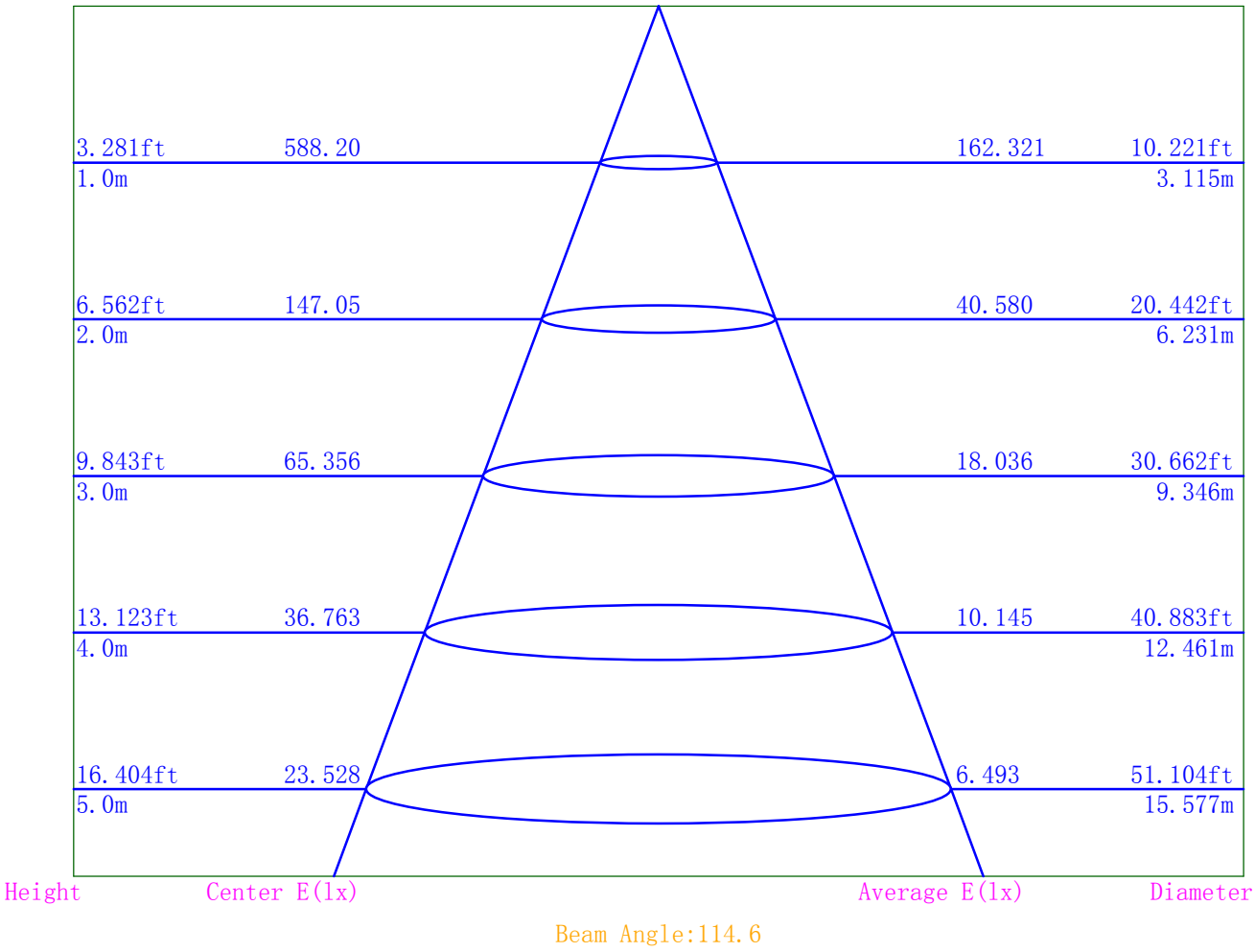
Space Plane Maximum Illuminance and @Angle:558.40lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:588.201cd,0eg

IES Flood Report
Photometric Filename: HCP-3327202.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3327202	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Illuminance-Distance Curve



Beam Angle:114.6

IES Flood Report
Photometric Filename: HCP-3327202.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	2.13	5.09	10.56	14.88	15.32	17.82	22.18	30.67	37.64	41.81	37.61	28.06
B-75.0	2.13	18.71	46.02	78.79	102.20	130.39	139.04	149.31	137.40	122.53	89.93	55.67
B-60.0	2.13	40.75	102.25	171.81	226.75	274.55	288.85	293.80	264.20	221.57	154.07	84.21
B-45.0	2.13	63.61	159.01	260.35	338.08	398.80	418.04	417.67	375.33	310.67	215.02	111.19
B-30.0	2.13	82.08	205.21	327.62	422.20	491.09	515.12	509.72	458.97	377.27	262.30	132.64
B-15.0	2.13	91.24	233.76	367.80	472.68	545.42	573.03	563.74	508.76	416.35	290.64	145.44
B0.0	2.13	93.56	241.62	378.00	485.95	558.40	588.20	576.28	521.70	425.07	297.82	147.97
B15.0	2.13	91.41	229.97	357.65	462.04	529.34	559.82	546.85	497.03	403.43	283.35	140.01
B30.0	2.13	78.89	198.00	308.58	401.98	460.00	489.36	477.15	435.91	352.64	248.25	122.78
B45.0	2.13	58.81	149.33	234.95	309.89	354.77	380.67	371.47	341.88	275.91	194.99	98.07
B60.0	2.13	35.48	91.79	144.72	195.33	223.15	243.08	237.86	222.76	179.95	130.26	68.99
B75.0	2.13	14.17	37.29	56.90	76.63	84.67	95.34	93.78	95.03	81.52	65.33	40.17
B90.0	2.13	1.92	2.00	1.99	1.99	1.96	1.98	2.06	2.32	3.90	6.09	7.96

V/H	β 90.0
B-90.0	2.10
B-75.0	2.10
B-60.0	2.10
B-45.0	2.10
B-30.0	2.10
B-15.0	2.10
B0.0	2.10
B15.0	2.10
B30.0	2.10
B45.0	2.10
B60.0	2.10
B75.0	2.10
B90.0	2.10