IES Flood Report
Photometric Filename: HCP-3327205.IES

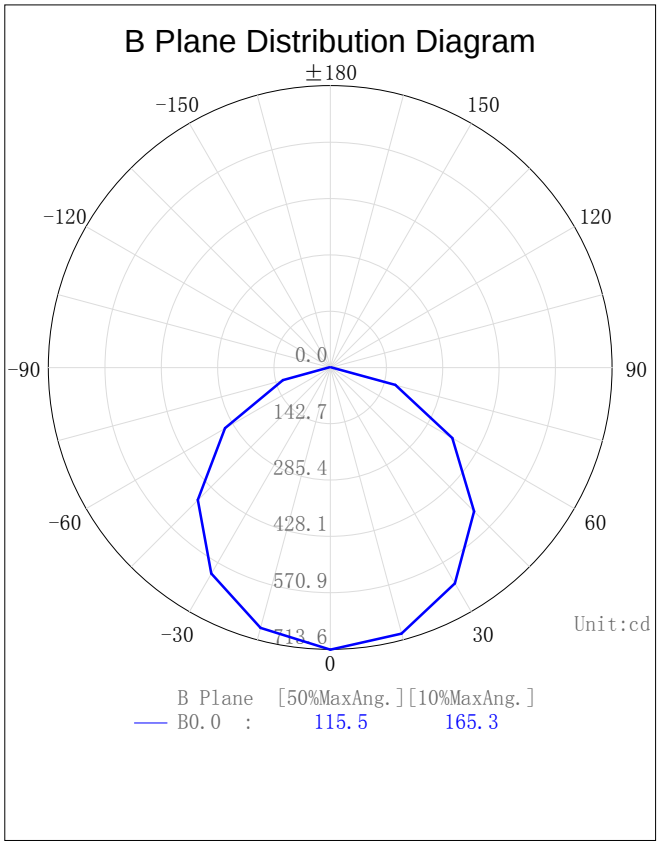
Flood Luminaire Photometric Data

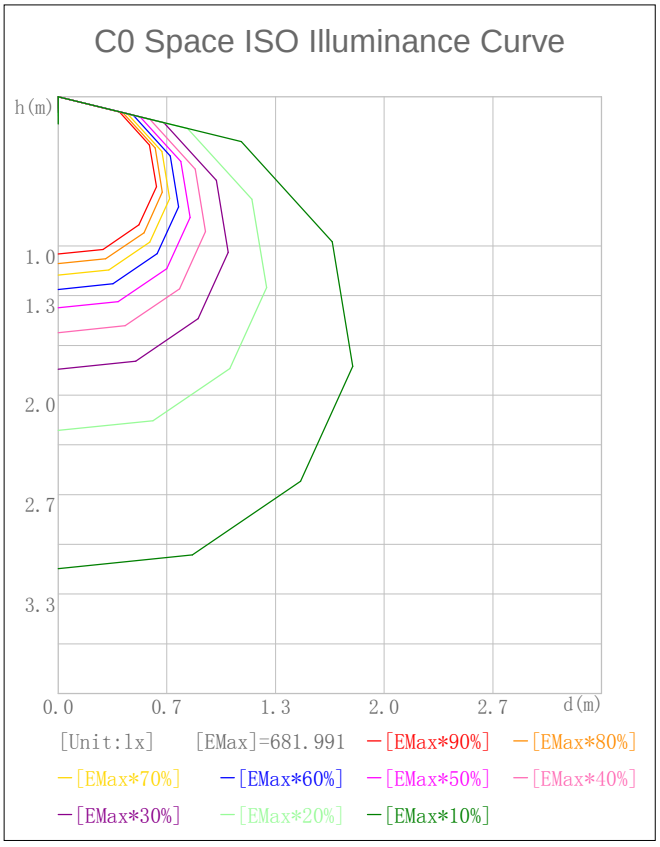
Description Information

Luminary Name: HCP-3327205		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog: HCP-3327205	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): 2328.900	Luminary Flux(lm): 2097.794	Beam Lumens(lm): 1533.56	
Rated Power(W):	Luminary Efficiency: 90.08%	Beam Efficiency(%): 73.10	
Rated Voltage(V):	Luminary EER(lm/W): 98.488	Field Lumens(lm): 2052.76	
Tested Power(W): 21.300	Max.Candela(cd): 713.577	Field Efficiency(%): 97.85	
Lamps' Inside: 1	Max Cand@Ang.(°): B=0.0 β=0.0	ErP Φuse(120°): 1631.140lm	
Tested Electrics(V,A,pf):24.0,0.89,0.000	Beam Angle(50%)(V,H): 115.1(°),115.5(°)	IRF(%): 107.898	
Lamp Size(W*L*H):0.008m*0.100m*0.010m	Field Angle(10%)(V,H): 165.5(°),165.3(°)		





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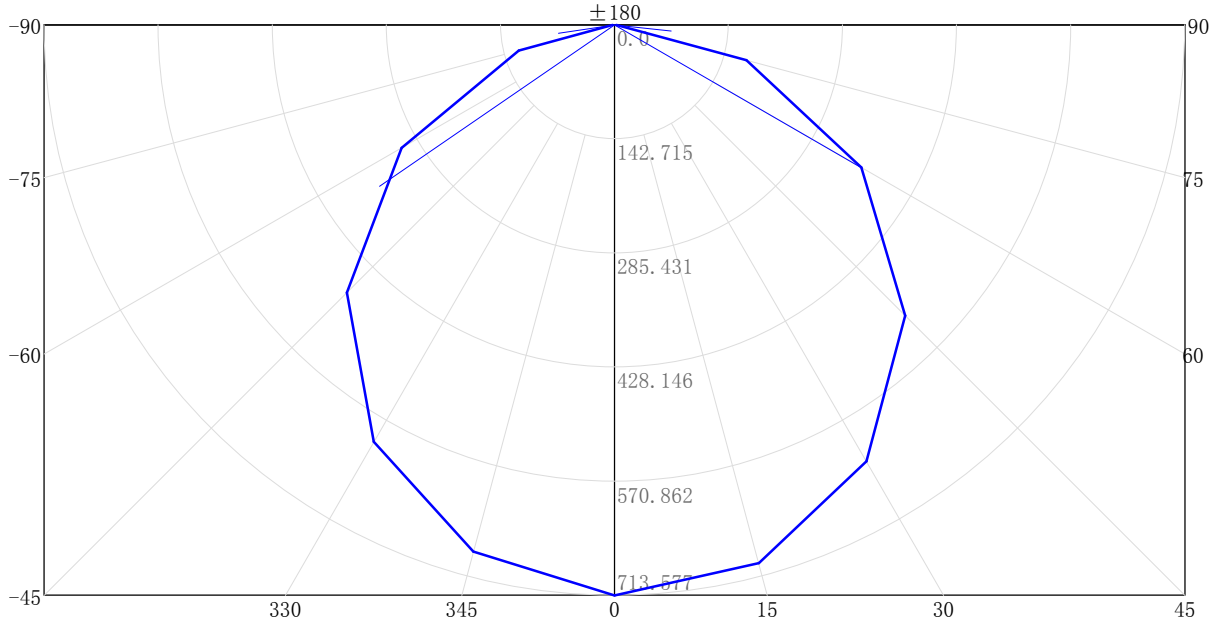
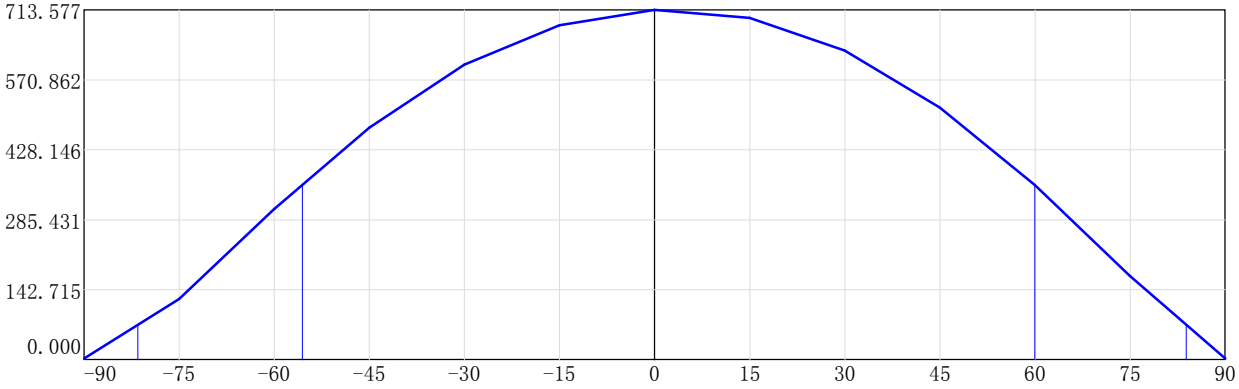
2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	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 :	115.5	165.3	

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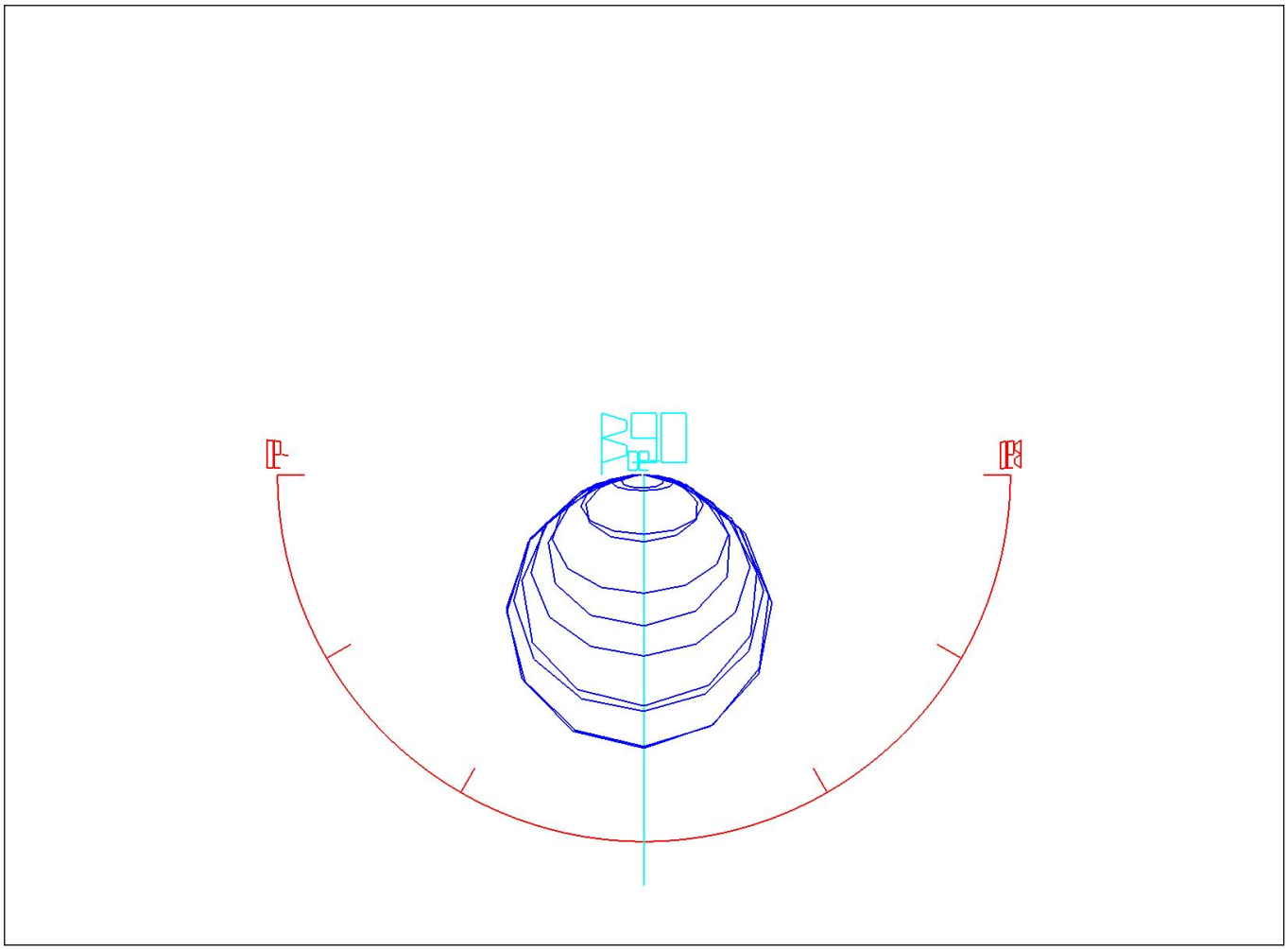
3D Light Intensity Distribution Modal

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	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

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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	0.07	0.65	1.95	3.52	4.98	5.95	6.30	5.90	4.69	2.96	1.21	0.16	
B-75.0	0.17	1.71	5.26	9.86	14.28	17.08	17.60	15.66	11.66	6.88	2.68	0.32	
B-60.0	0.30	3.04	9.14	16.96	24.18	28.58	29.10	25.60	18.89	10.97	4.16	0.48	
B-45.0	0.42	4.25	12.52	22.85	32.15	37.71	38.23	33.54	24.77	14.40	5.45	0.62	
B-30.0	0.51	5.12	14.88	26.86	37.51	43.83	44.34	38.88	28.76	16.76	6.36	0.71	
B-15.0	0.55	5.55	16.01	28.75	40.02	46.68	47.20	41.38	30.64	17.88	6.80	0.76	
B0.0	0.54	5.48	15.82	28.46	39.61	46.22	46.74	40.98	30.35	17.70	6.74	0.75	
B15.0	0.48	4.91	14.34	25.98	36.30	42.47	42.98	37.69	27.90	16.23	6.18	0.69	
B30.0	0.38	3.94	11.67	21.43	30.19	35.50	36.02	31.61	23.37	13.55	5.17	0.58	
B45.0	0.26	2.69	8.08	15.12	21.60	25.63	26.16	23.03	17.04	9.88	3.81	0.44	
B60.0	0.14	1.39	4.19	7.95	11.47	13.80	14.30	12.79	9.67	5.73	2.31	0.28	
B75.0	0.05	0.41	1.19	2.22	3.17	3.85	4.08	3.77	2.98	1.86	0.80	0.11	
B90.0													
Total	3.89	39.15	115.05	209.96	295.46	347.30	353.06	310.86	230.71	134.80	51.65	5.91	

	β 90.0	Total
B-90.0		38.34
B-75.0		103.17
B-60.0		171.40
B-45.0		226.90
B-30.0		264.53
B-15.0		282.23
B0.0		279.39
B15.0		256.17
B30.0		213.42
B45.0		153.73
B60.0		84.01
B75.0		24.50
B90.0		
Total		2097.79

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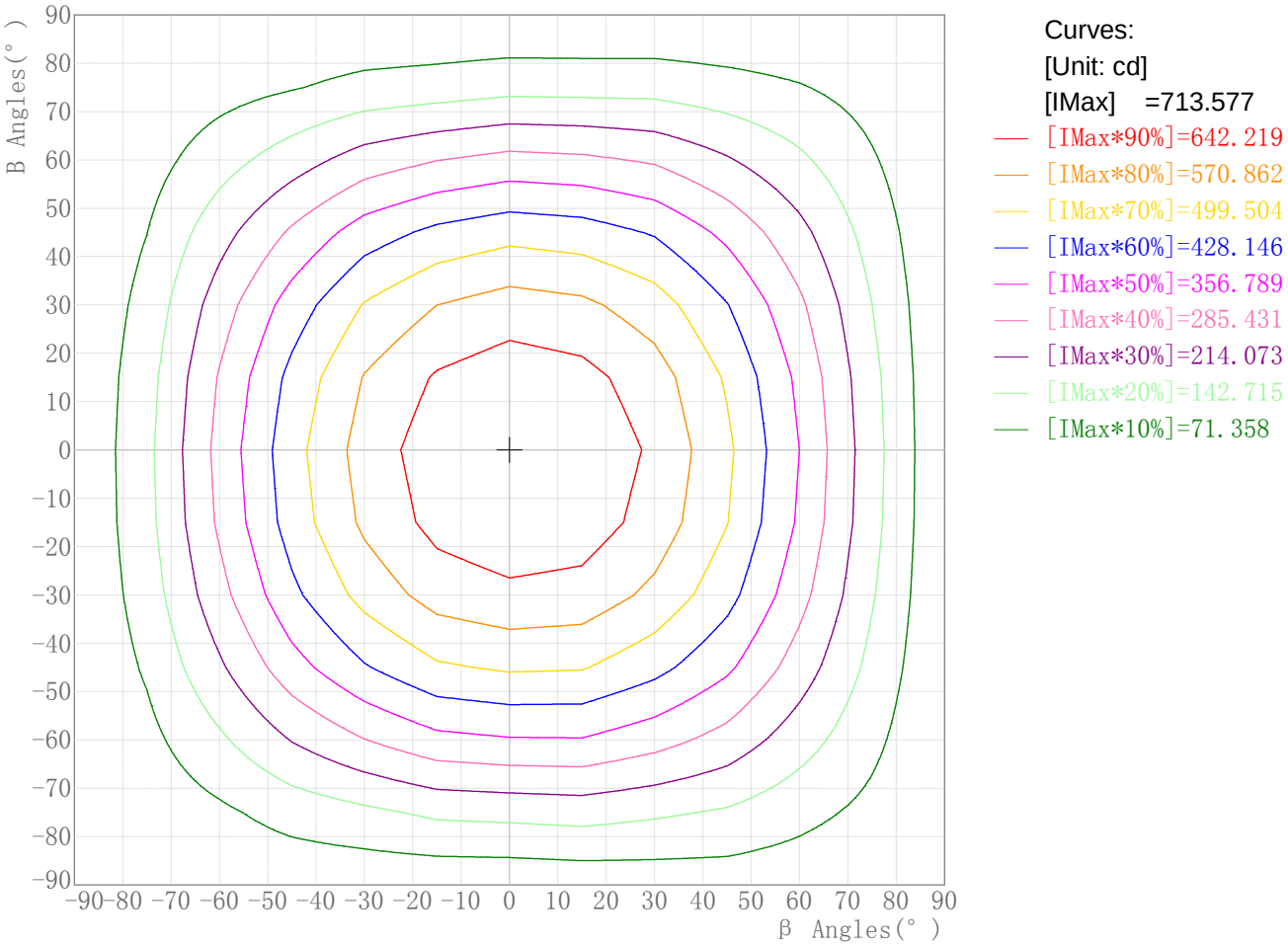
Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 713.58
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
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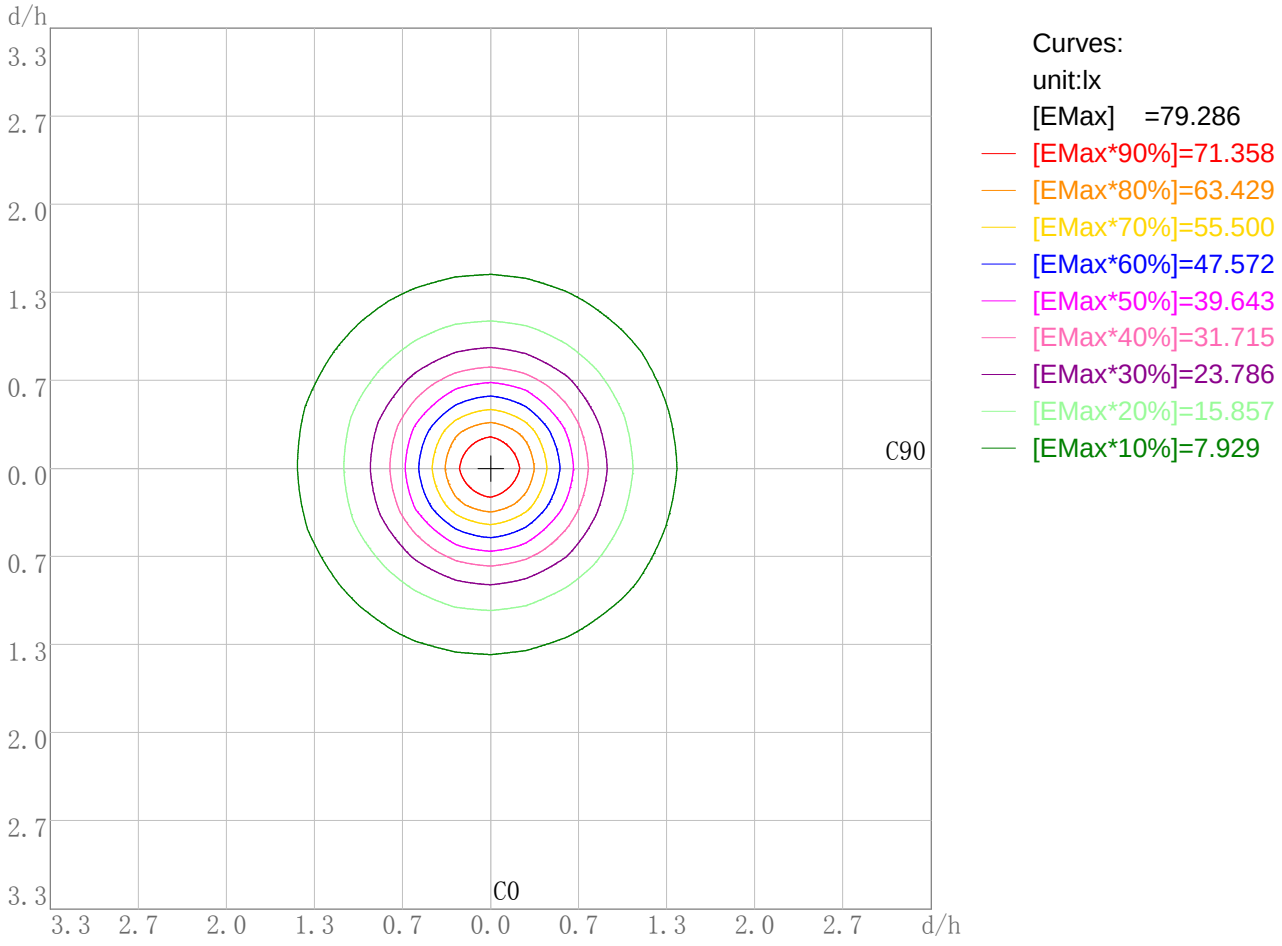
Plane ISO-Illuminance Diagram

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	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): 79.29
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

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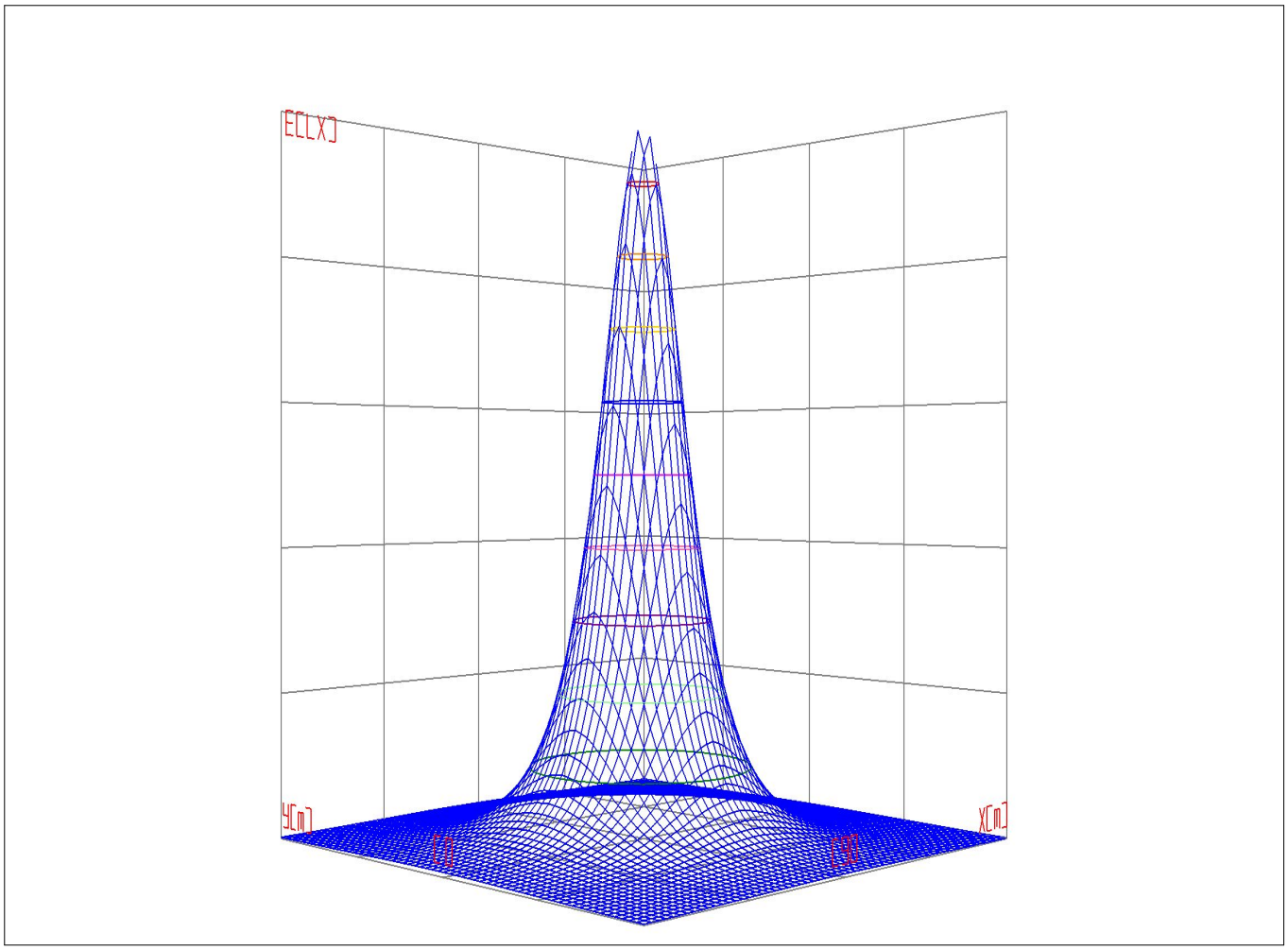
3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	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%

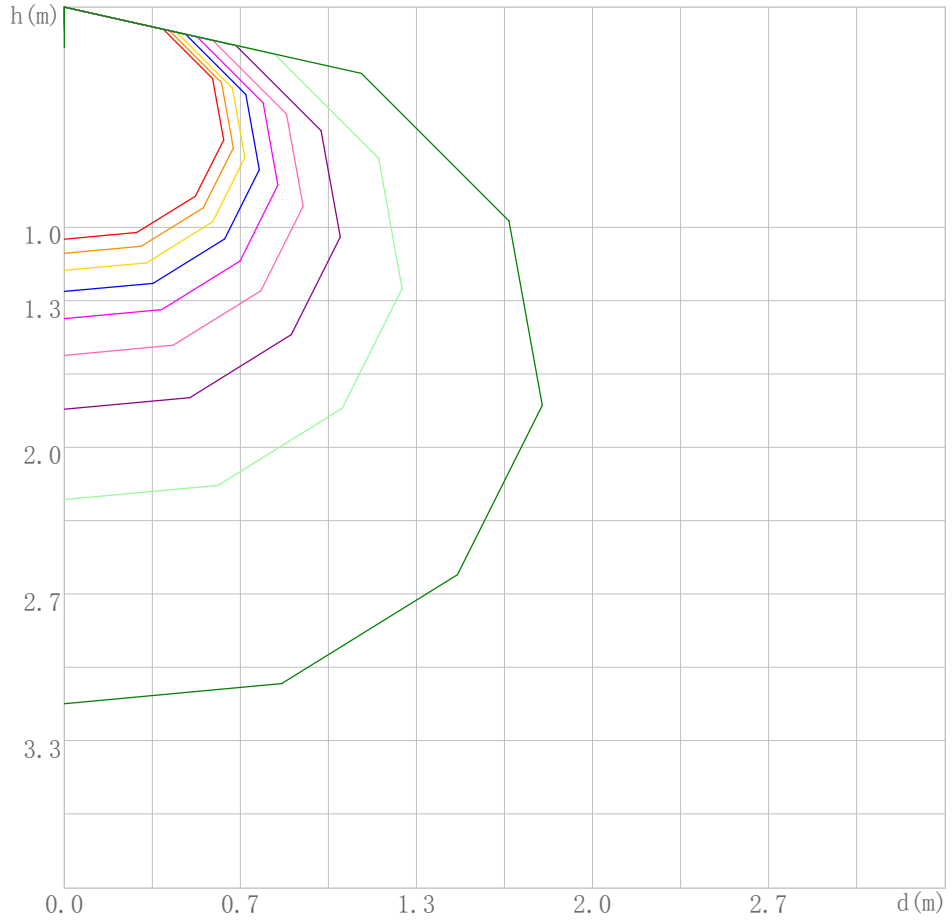
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3327205.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =681.991
[EMax*90%]=613.792
[EMax*80%]=545.593
[EMax*70%]=477.394
[EMax*60%]=409.195
[EMax*50%]=340.996
[EMax*40%]=272.796
[EMax*30%]=204.597
[EMax*20%]=136.398
[EMax*10%]=68.199

Space Plane Maximum Illuminance and @Angle:681.99lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:713.577cd,0eg

IES Flood Report
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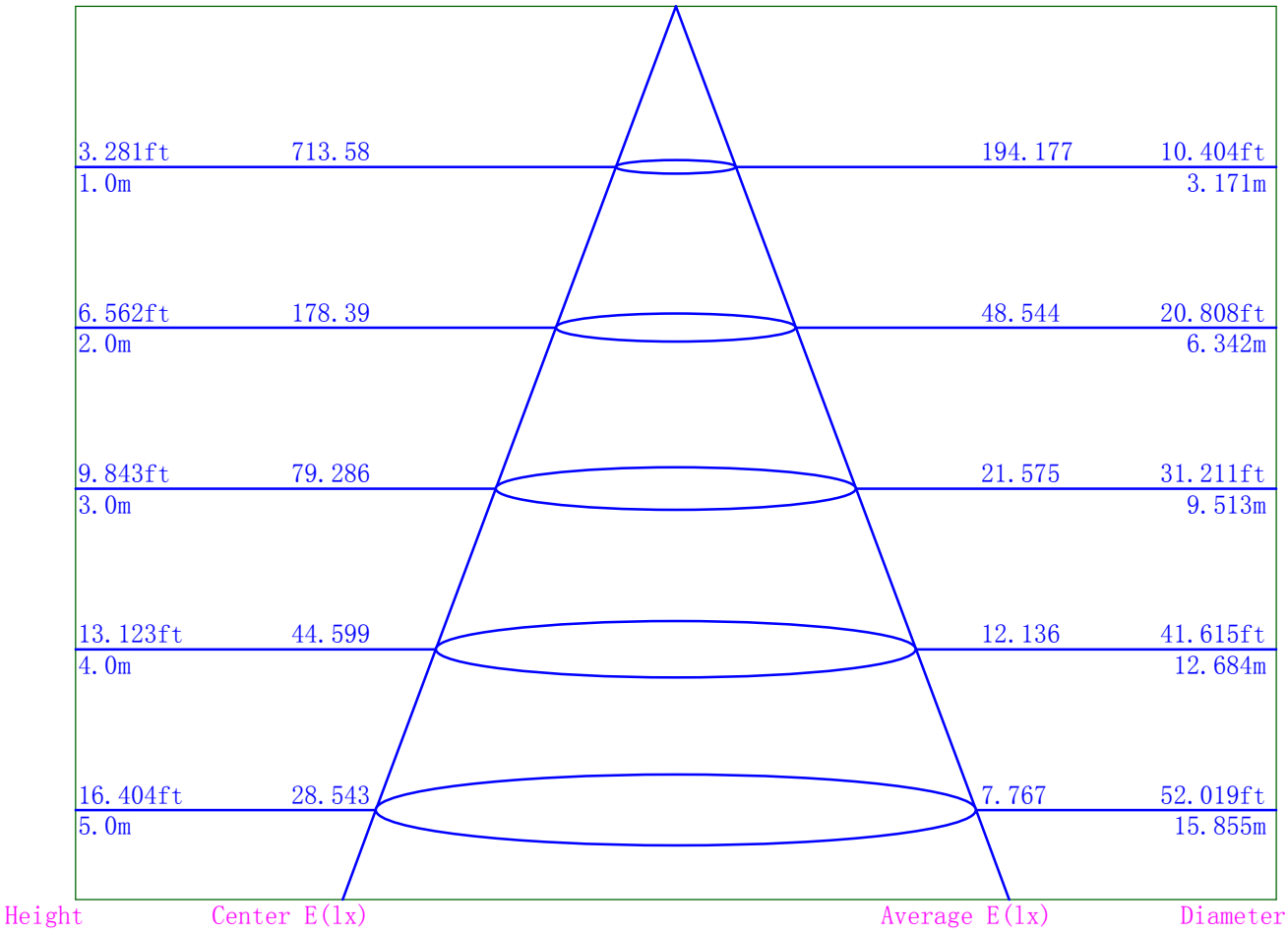
Illuminance-Distance Diagram

Lum.Name: HCP-3327205	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog: HCP-3327205	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Illuminance-Distance Curve



Beam Angle:115.5

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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	2.37	5.93	12.80	17.31	16.39	15.30	15.44	20.90	26.74	30.83	25.51	12.97
B-75.0	2.37	22.36	58.24	99.06	127.10	156.98	163.65	171.99	154.15	134.16	93.61	52.53
B-60.0	2.37	50.86	130.63	217.36	283.59	336.94	350.97	352.56	313.47	258.74	174.50	88.53
B-45.0	2.37	80.42	202.90	328.19	421.89	489.44	509.65	504.86	451.00	370.07	250.97	122.48
B-30.0	2.37	104.75	261.35	411.36	524.51	600.73	626.15	615.97	553.08	452.99	310.39	149.60
B-15.0	2.37	120.03	297.35	460.63	585.24	665.59	694.78	680.80	613.42	501.88	346.27	166.24
B0.0	2.37	123.94	307.66	473.19	602.22	681.99	713.58	697.07	630.40	514.45	356.50	170.75
B15.0	2.37	115.03	291.39	448.96	574.91	650.12	683.09	665.22	603.53	490.51	340.40	162.71
B30.0	2.37	95.19	249.81	388.94	504.02	570.63	603.06	586.05	533.13	430.97	298.90	142.97
B45.0	2.37	70.55	186.95	296.36	391.94	446.19	475.53	461.84	421.68	338.53	234.65	113.50
B60.0	2.37	41.12	112.75	180.36	246.50	283.49	307.86	299.26	276.34	220.84	155.77	78.47
B75.0	2.37	15.79	43.06	66.86	92.64	104.07	119.31	117.55	117.28	98.57	76.02	42.39
B90.0	2.37	2.10	2.14	2.15	2.15	2.07	2.05	2.04	2.09	2.05	2.04	2.02

V/H	β 90.0
B-90.0	2.30
B-75.0	2.30
B-60.0	2.30
B-45.0	2.30
B-30.0	2.30
B-15.0	2.30
B0.0	2.30
B15.0	2.30
B30.0	2.30
B45.0	2.30
B60.0	2.30
B75.0	2.30
B90.0	2.30