IES Flood Report
Photometric Filename: HCP-3329285.IES

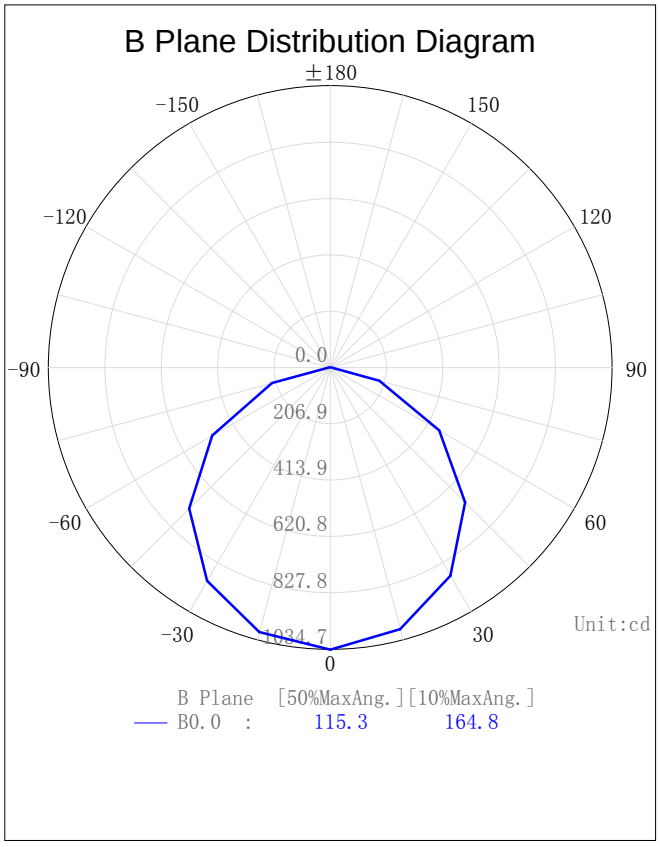
Flood Luminaire Photometric Data

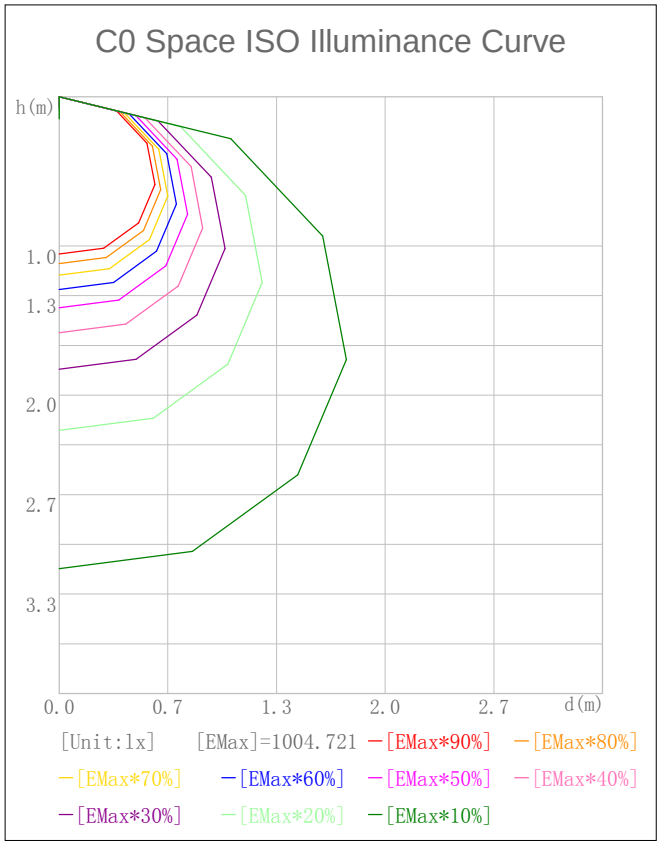
Description Information

Luminary Name: HCP-3329285		Lum. Catelog:	Test ID:
Lamp Name: 2110 5000K		Lamp Catelog:	Test Date: 2019/05/25
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.012m*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):	3473.600	Luminary Flux(lm):	3031.441	Beam Lumens(lm):	2224.12
Rated Power(W):		Luminary Efficiency:	87.27%	Beam Efficiency(%):	73.37
Rated Voltage(V):		Luminary EER(lm/W):	100.246	Field Lumens(lm):	2965.52
Tested Power(W):	30.240	Max.Candela(cd):	1034.698	Field Efficiency(%):	97.83
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	2366.316lm
Tested Electrics(V,A,pf):24.0,1.26,0.000		Beam Angle(50%)(V,H):	115.0(°),115.3(°	IRF(%):	107.146
Lamp Size(W*L*H):0.012m*0.100m*0.010m		Field Angle(10%)(V,H):	166.1(°),164.8(°)		



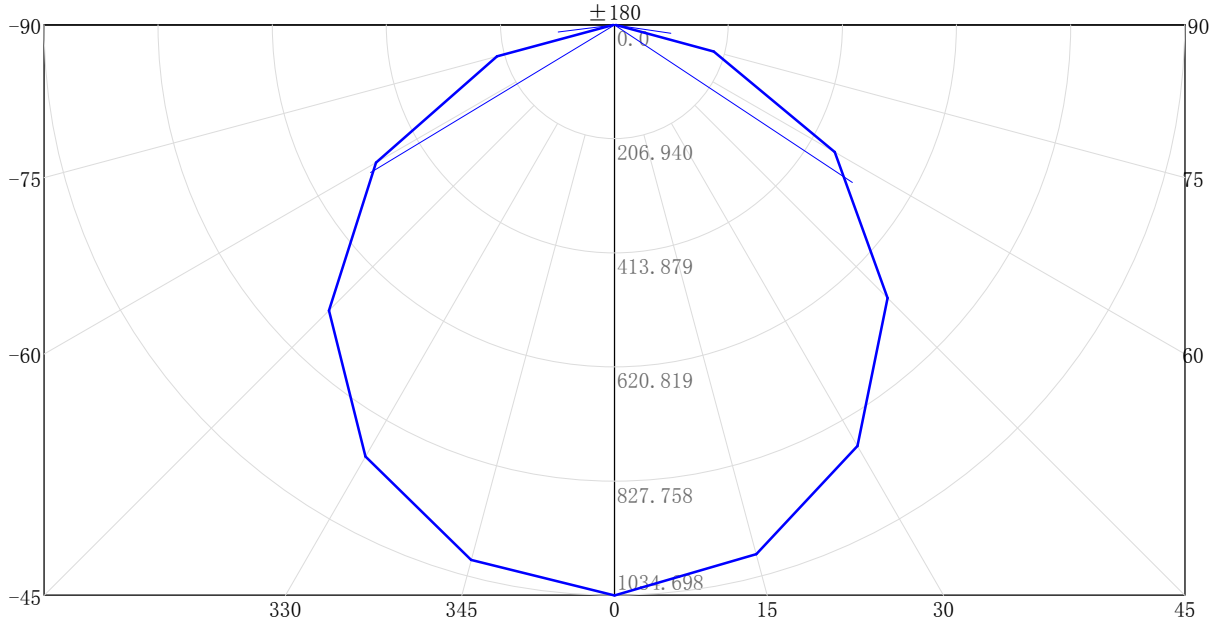


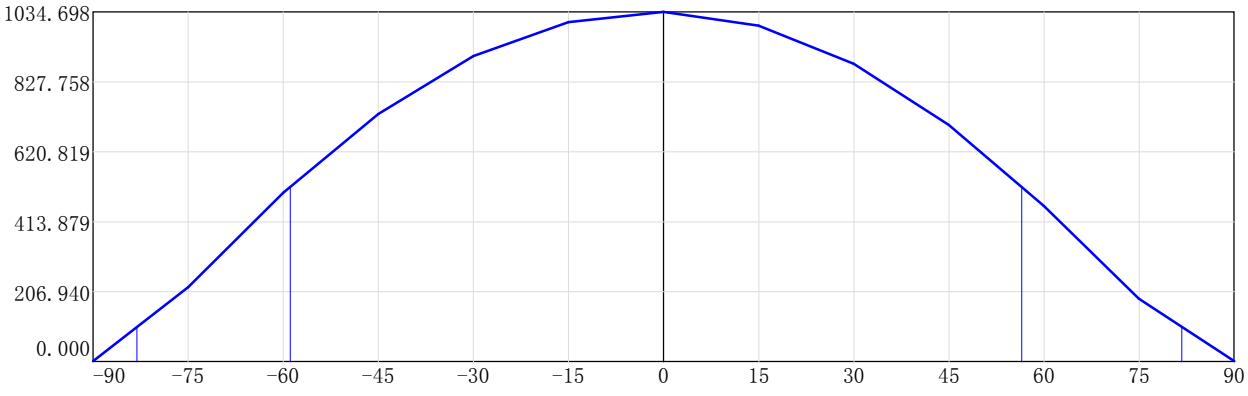
IES Flood Report
Photometric Filename: HCP-3329285.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

B Plane Distribution Diagram





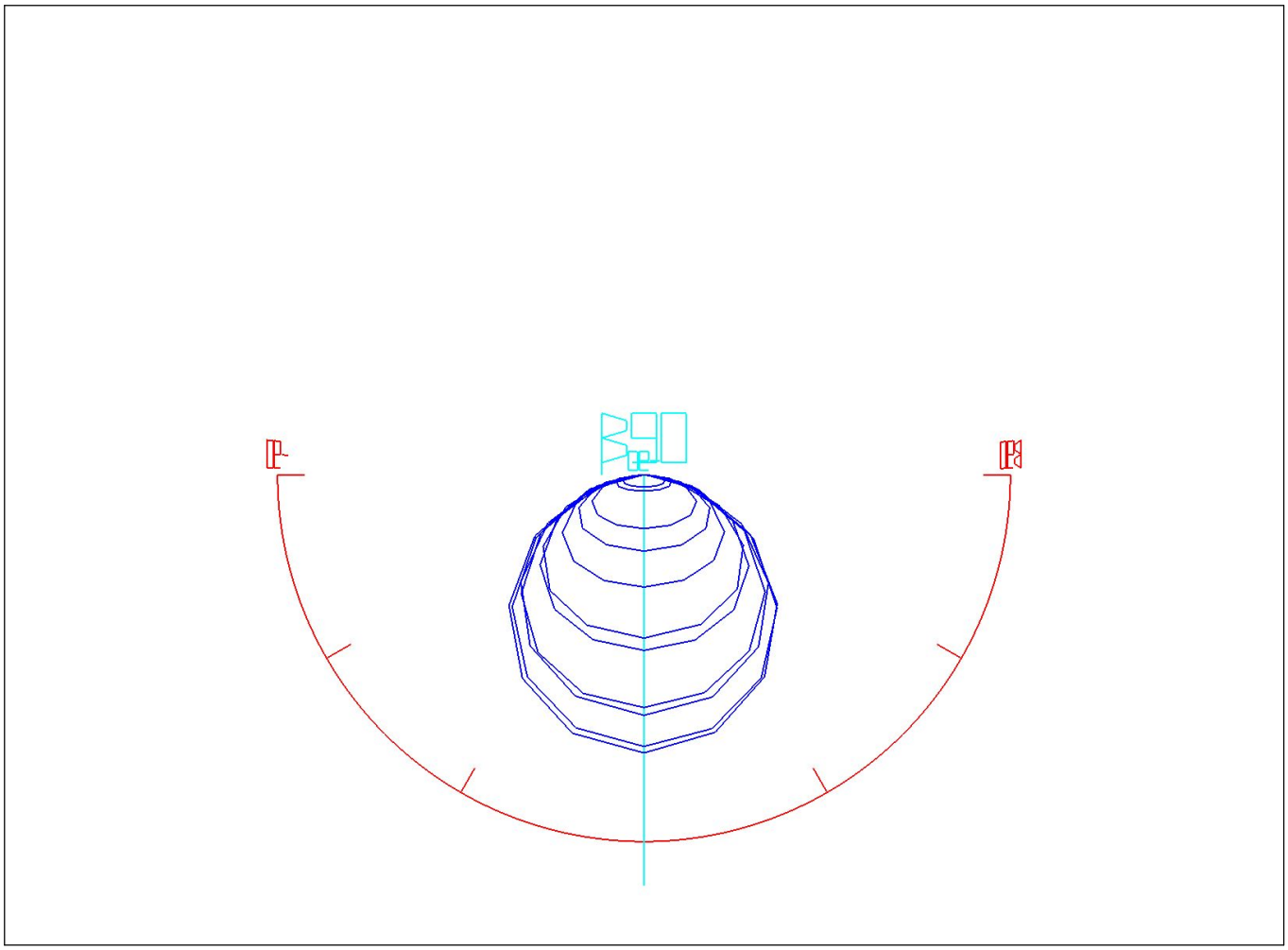
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	115.3	164.8	

IES Flood Report
Photometric Filename: HCP-3329285.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

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-3329285.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	0.11	0.95	2.64	4.64	6.40	7.34	7.32	6.29	4.42	2.42	0.84	0.10	
B-75.0	0.31	2.88	8.17	14.54	20.15	23.17	22.93	19.49	13.66	7.36	2.42	0.24	
B-60.0	0.53	5.06	14.23	25.16	34.65	39.85	39.55	33.81	24.02	13.13	4.39	0.43	
B-45.0	0.74	7.04	19.53	34.16	46.70	53.63	53.29	45.77	32.87	18.25	6.22	0.61	
B-30.0	0.89	8.48	23.27	40.42	55.04	63.15	62.79	54.04	39.03	21.88	7.58	0.75	
B-15.0	0.97	9.23	25.16	43.58	59.22	67.92	67.55	58.19	42.14	23.72	8.28	0.82	
B0.0	0.97	9.23	25.15	43.57	59.21	67.91	67.54	58.17	42.13	23.71	8.29	0.82	
B15.0	0.89	8.49	23.23	40.40	54.98	63.11	62.74	53.97	39.01	21.84	7.60	0.75	
B30.0	0.73	7.05	19.46	34.14	46.61	53.56	53.22	45.66	32.84	18.19	6.25	0.61	
B45.0	0.53	5.08	14.15	25.13	34.52	39.74	39.45	33.69	24.00	13.07	4.42	0.42	
B60.0	0.30	2.91	8.10	14.51	20.01	23.06	22.82	19.36	13.64	7.28	2.44	0.24	
B75.0	0.11	1.00	2.76	4.94	6.70	7.53	7.37	6.20	4.29	2.24	0.76	0.08	
B90.0													
Total	7.09	67.41	185.84	325.20	444.20	509.97	506.57	434.64	312.06	173.09	59.50	5.88	

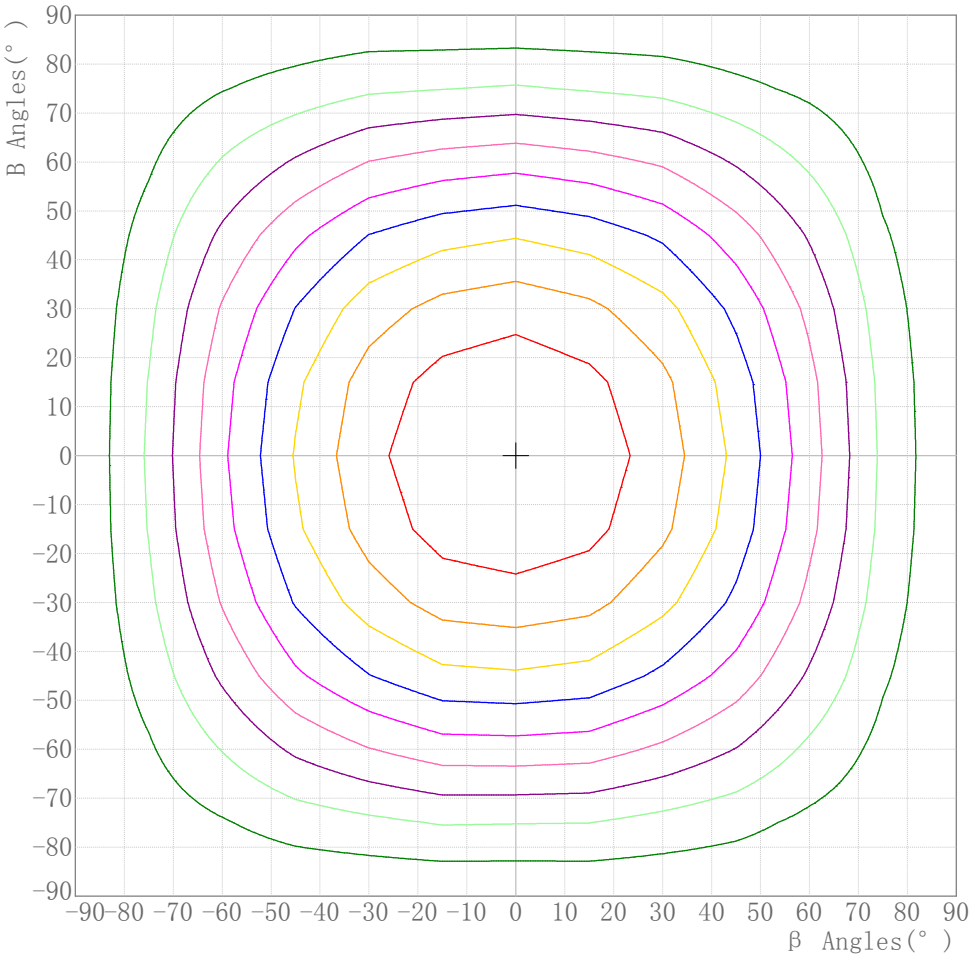
	β 90.0	Total
B-90.0		43.49
B-75.0		135.33
B-60.0		234.82
B-45.0		318.80
B-30.0		377.32
B-15.0		406.79
B0.0		406.70
B15.0		377.01
B30.0		318.32
B45.0		234.21
B60.0		134.67
B75.0		43.97
B90.0		
Total		3031.44

IES Flood Report
Photometric Filename: HCP-3329285.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =1034.698
[IMax*90%]=931.228
[IMax*80%]=827.758
[IMax*70%]=724.289
[IMax*60%]=620.819
[IMax*50%]=517.349
[IMax*40%]=413.879
[IMax*30%]=310.409
[IMax*20%]=206.940
[IMax*10%]=103.470

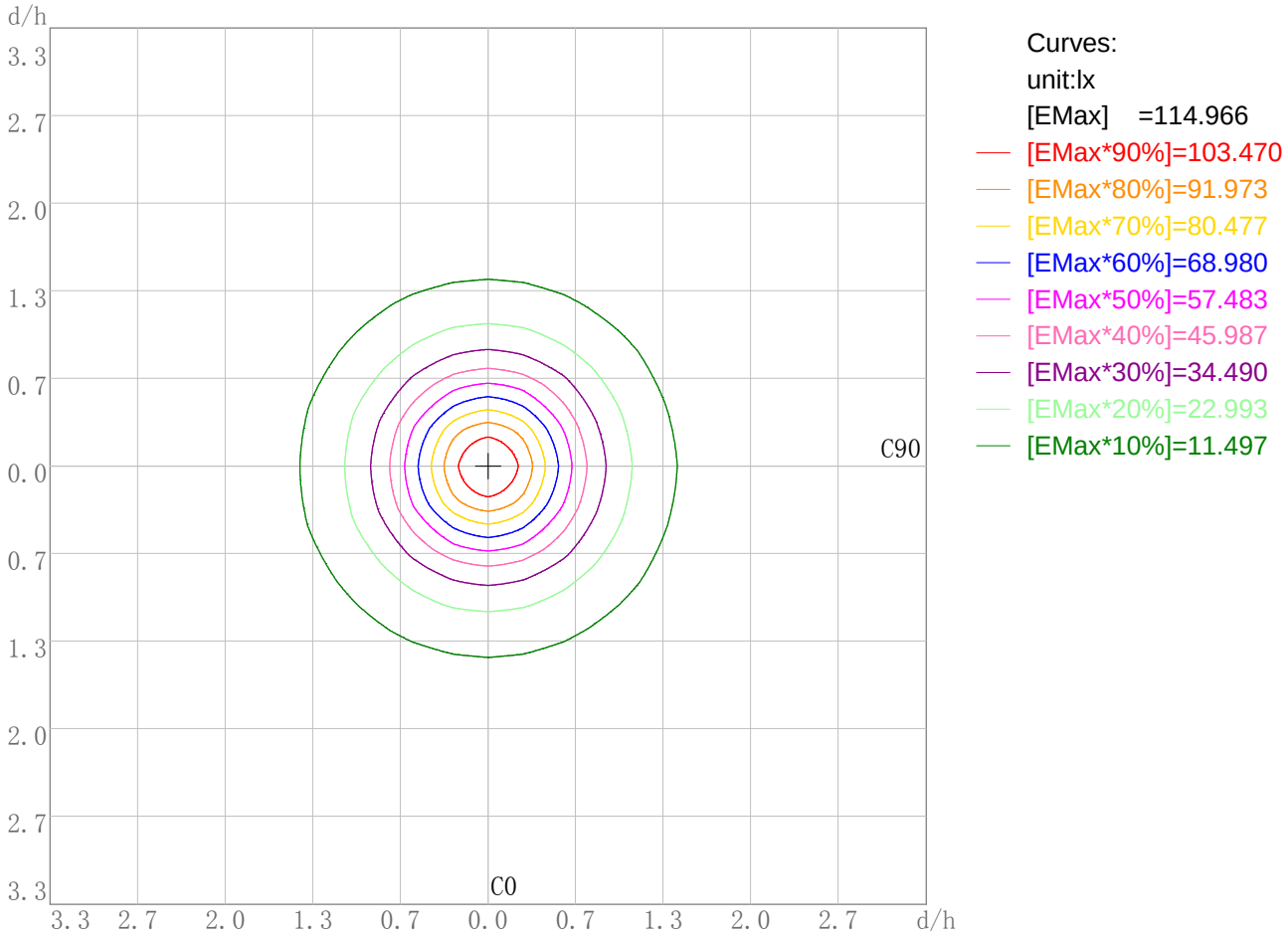
Maximum Light Intensity(cd): 1034.70
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3329285.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

Plane ISO-Illuminance Curve



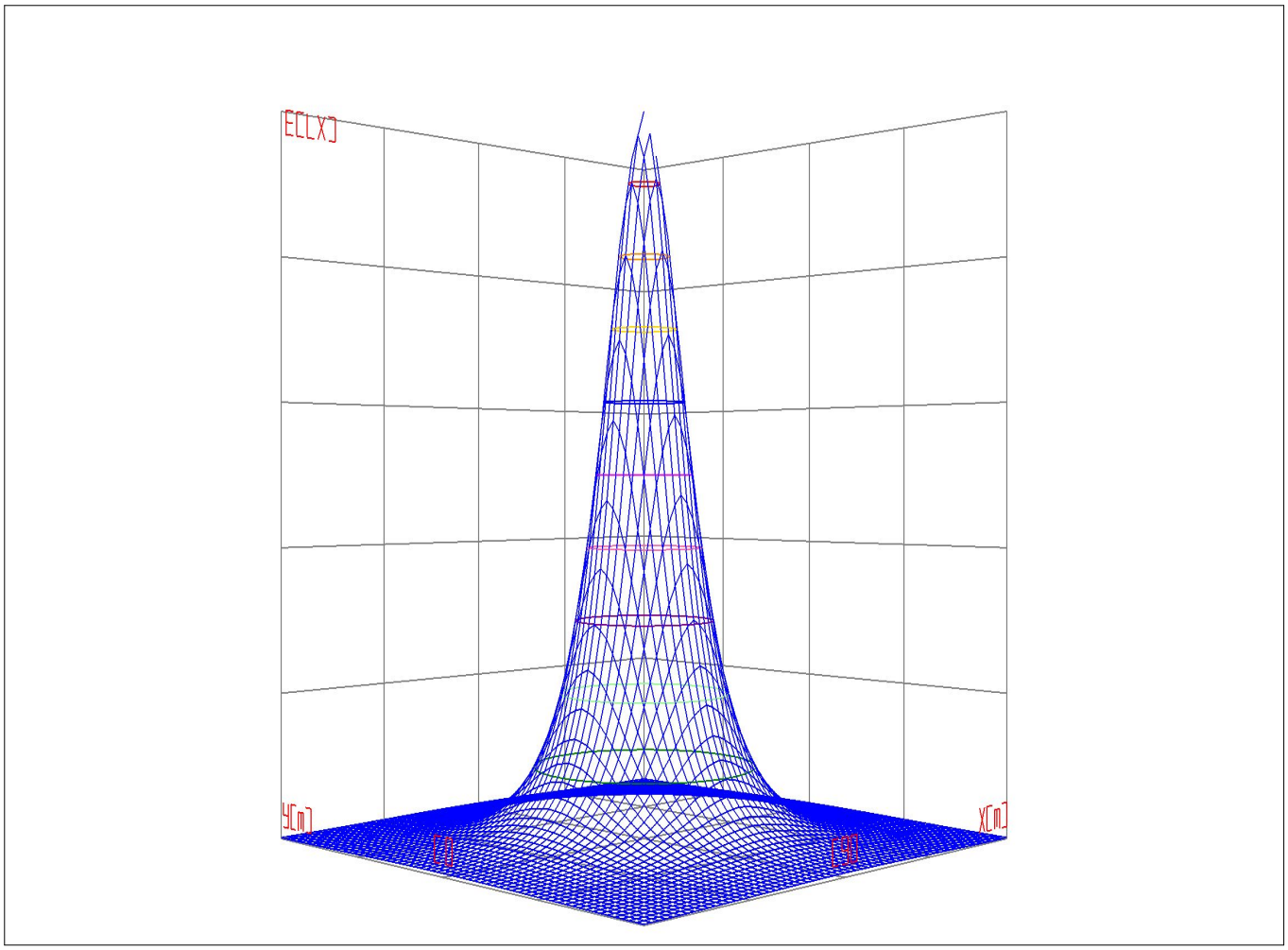
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 114.97
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3329285.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

3D Plane Illuminance Modal



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

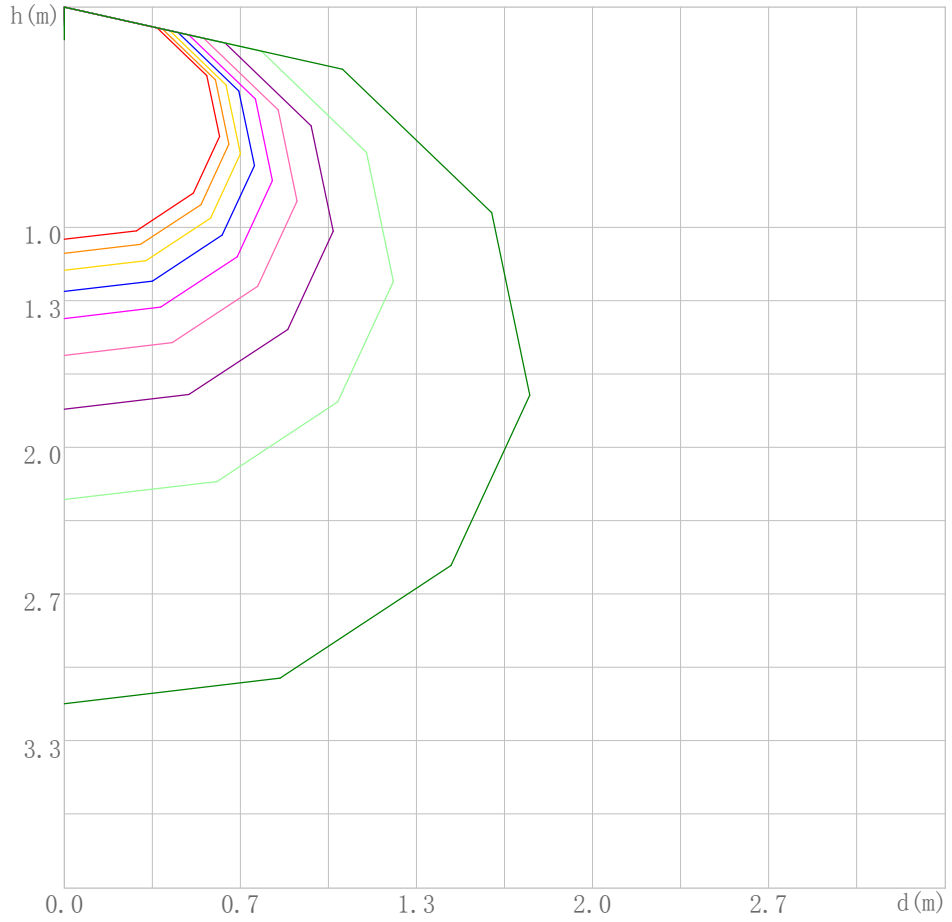
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3329285.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =1004.721
[EMax*90%]=904.249
[EMax*80%]=803.777
[EMax*70%]=703.305
[EMax*60%]=602.833
[EMax*50%]=502.361
[EMax*40%]=401.888
[EMax*30%]=301.416
[EMax*20%]=200.944
[EMax*10%]=100.472

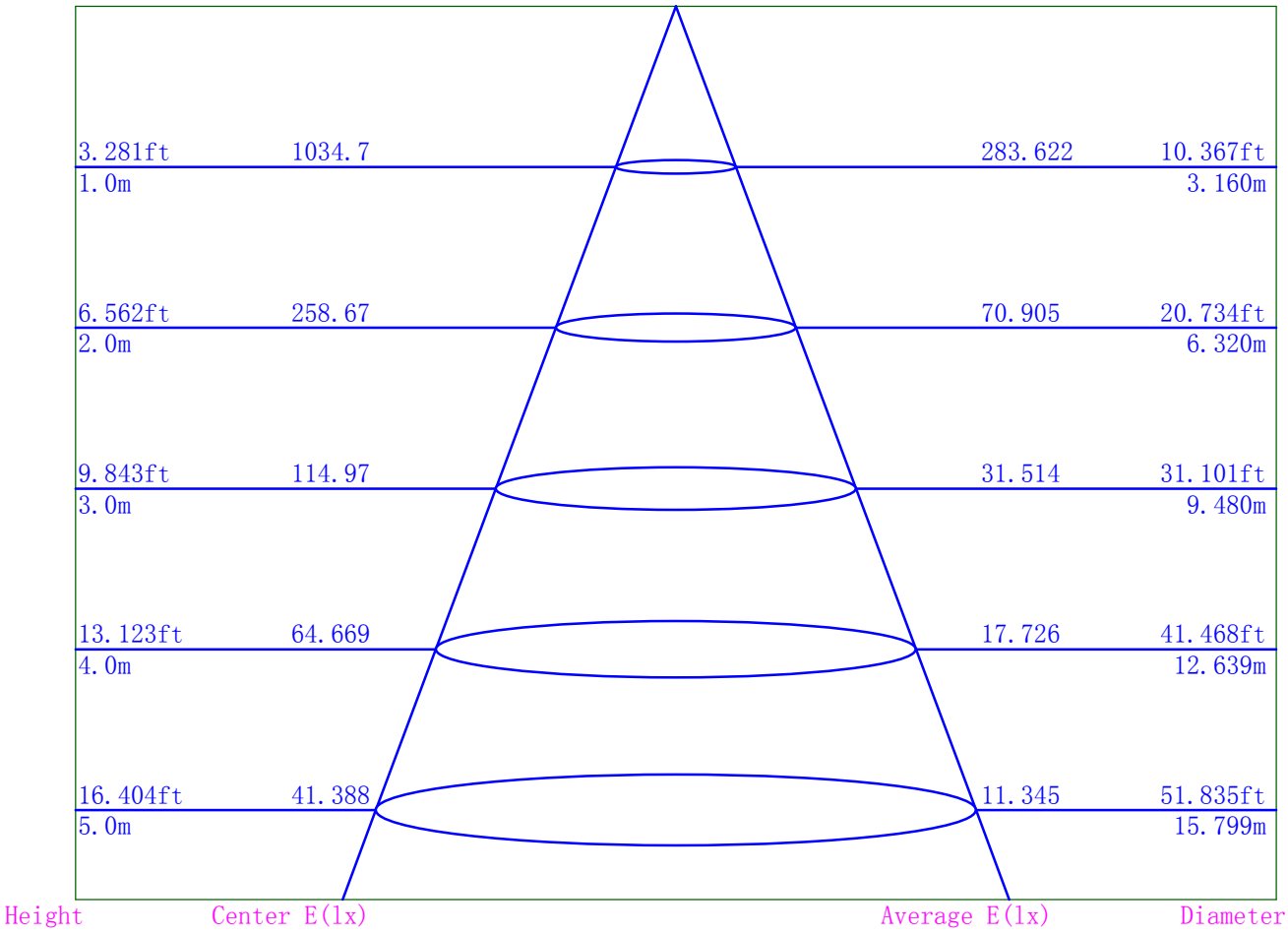
Space Plane Maximum Illuminance and @Angle:1004.72lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:1034.698cd,0eg

IES Flood Report
Photometric Filename: HCP-3329285.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3329285	Lum.Catelog:	Test ID:
Lamp Name: 2110 5000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/25

Illuminance-Distance Curve



Beam Angle:115.3

IES Flood Report
Photometric Filename: HCP-3329285.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	2.04	3.96	4.51	5.27	4.21	4.54	5.08	8.99	9.86	9.94	9.14	7.64
B-75.0	2.04	42.73	94.73	149.73	183.25	213.65	210.16	207.69	171.92	134.58	79.39	32.67
B-60.0	2.04	91.98	210.91	329.96	409.75	470.12	474.17	461.74	393.47	307.55	185.85	72.61
B-45.0	2.04	142.53	327.77	499.65	617.14	697.90	710.33	688.60	598.32	473.04	296.32	116.06
B-30.0	2.04	184.60	421.10	628.77	774.51	868.74	888.82	858.42	753.91	599.59	385.75	153.51
B-15.0	2.04	211.84	479.73	707.40	871.18	972.17	998.04	961.40	849.54	676.50	441.90	177.95
B0.0	2.04	220.58	499.59	732.39	903.77	1004.72	1034.70	993.74	881.72	700.75	461.14	186.05
B15.0	2.04	210.88	480.96	704.79	873.60	968.84	1000.77	957.91	851.70	673.83	443.36	177.50
B30.0	2.04	183.29	423.57	623.73	778.63	862.15	893.64	851.59	757.84	594.41	388.40	152.62
B45.0	2.04	140.84	331.26	492.72	623.21	688.68	717.19	679.10	604.17	466.29	300.21	114.87
B60.0	2.04	90.68	214.49	322.05	416.02	458.88	481.50	450.77	400.22	300.18	189.69	71.15
B75.0	2.04	41.60	98.63	143.50	189.21	203.84	216.92	197.86	177.51	128.07	81.74	30.88
B90.0	2.04	2.62	9.62	13.29	18.44	12.75	10.75	9.54	7.98	3.25	2.18	1.70

V/H	β 90.0
B-90.0	2.23
B-75.0	2.23
B-60.0	2.23
B-45.0	2.23
B-30.0	2.23
B-15.0	2.23
B0.0	2.23
B15.0	2.23
B30.0	2.23
B45.0	2.23
B60.0	2.23
B75.0	2.23
B90.0	2.23