IES Flood Report
Photometric Filename: HCP-3365484.IES

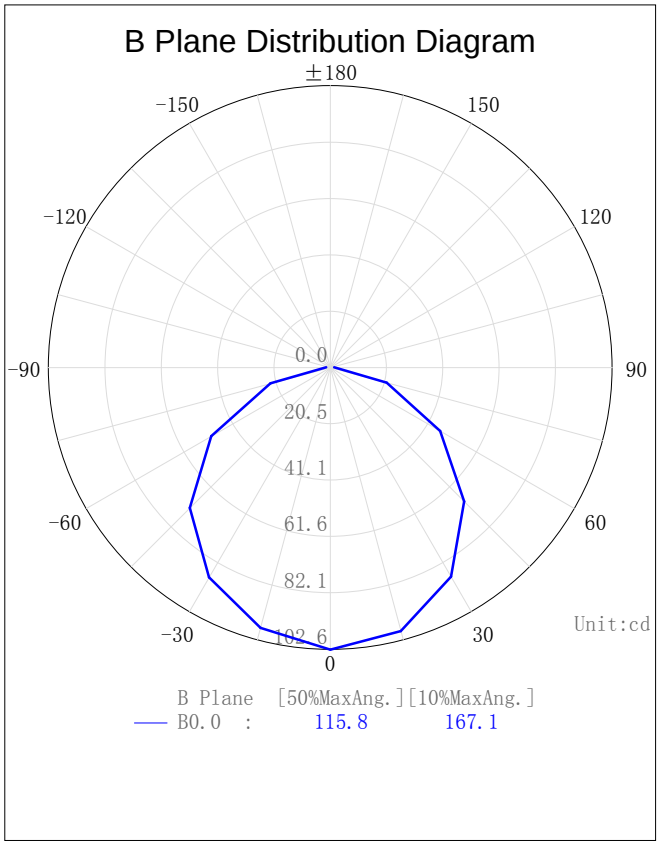
Flood Luminaire Photometric Data

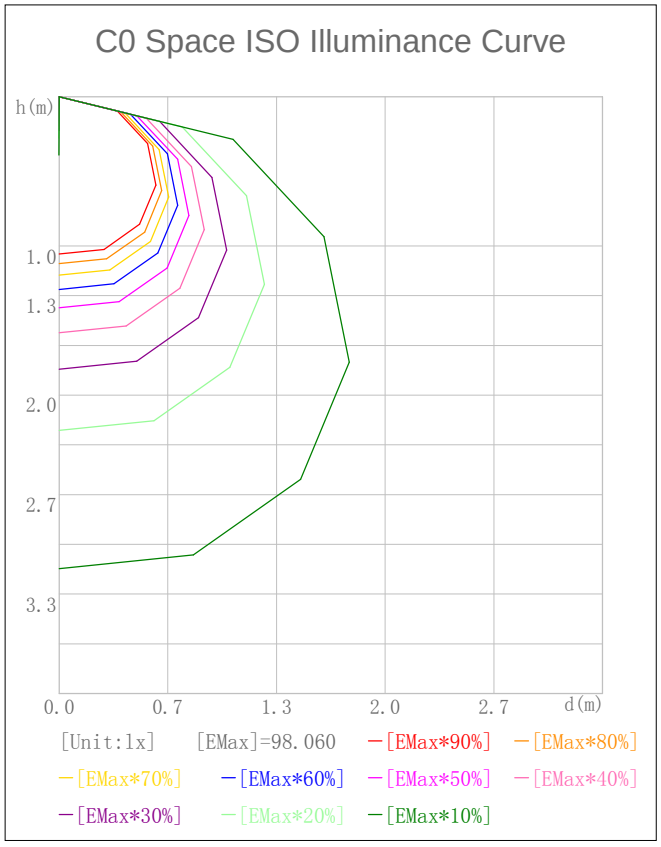
Description Information

Luminary Name: HCP-3365484		Lum. Catelog:	Test ID:
Lamp Name: 2110 4000K		Lamp Catelog: HCP-3365484	Test Date: 2019/05/21
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.010m*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):	373.000	Luminary Flux(lm):	329.025	Beam Lumens(lm):	240.01
Rated Power(W):		Luminary Efficiency:	88.21%	Beam Efficiency(%):	72.95
Rated Voltage(V):		Luminary EER(lm/W):	69.591	Field Lumens(lm):	325.60
Tested Power(W):	4.728	Max.Candela(cd):	102.631	Field Efficiency(%):	98.96
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	239.659lm
Tested Electrics(V,A,pf):24.0,0.1970,0.000		Beam Angle(50%)(V,H):	126.6(°),115.8(°)	IRF(%):	105.837
Lamp Size(W*L*H):0.010m*0.100m*0.010m		Field Angle(10%)(V,H):	178.3(°),167.1(°)		



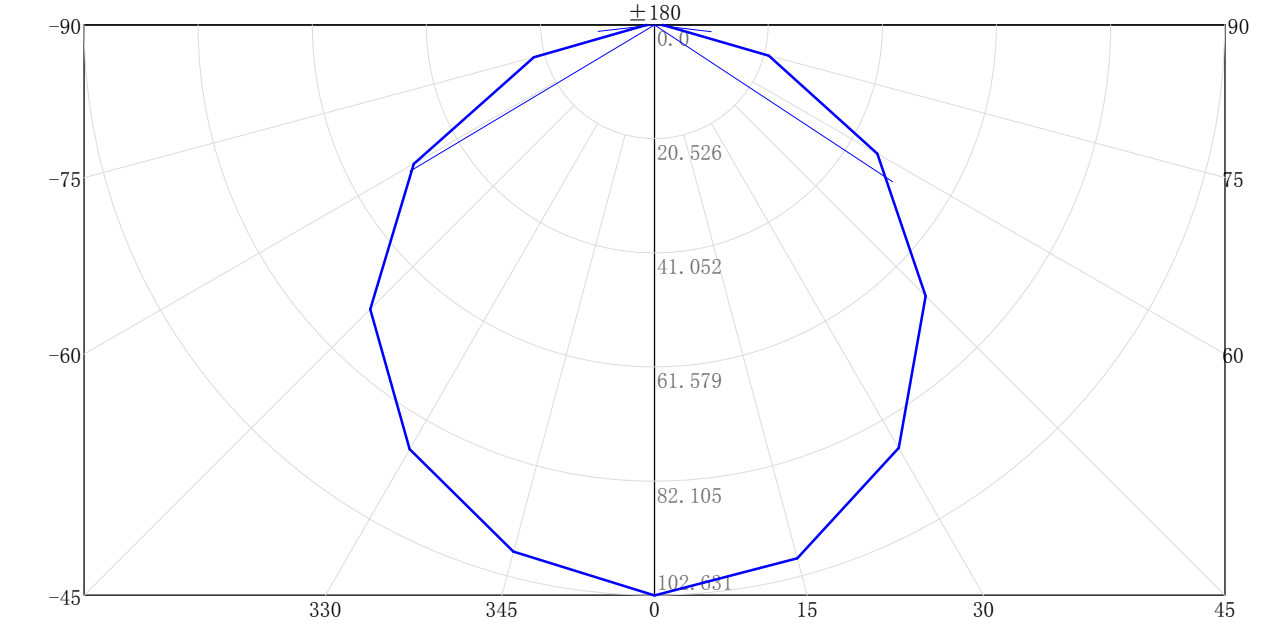


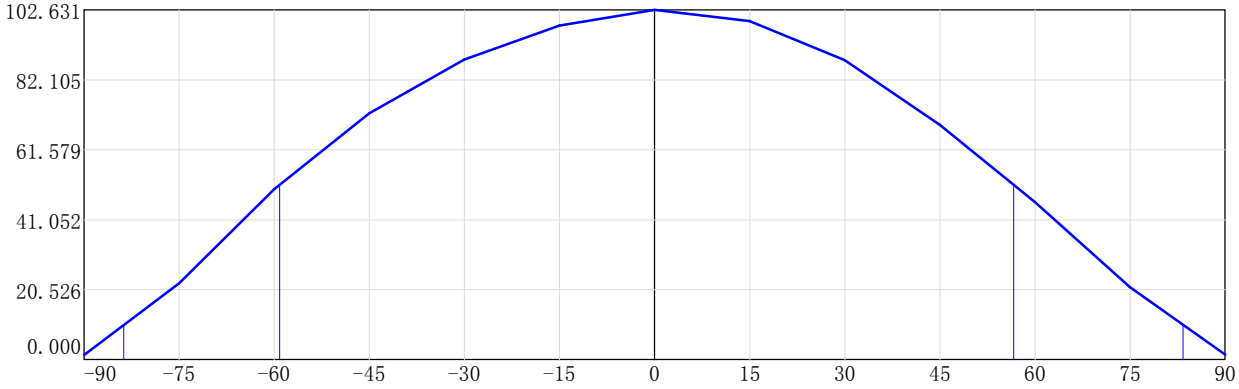
IES Flood Report
Photometric Filename:HCP-3365484.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

B Plane Distribution Diagram





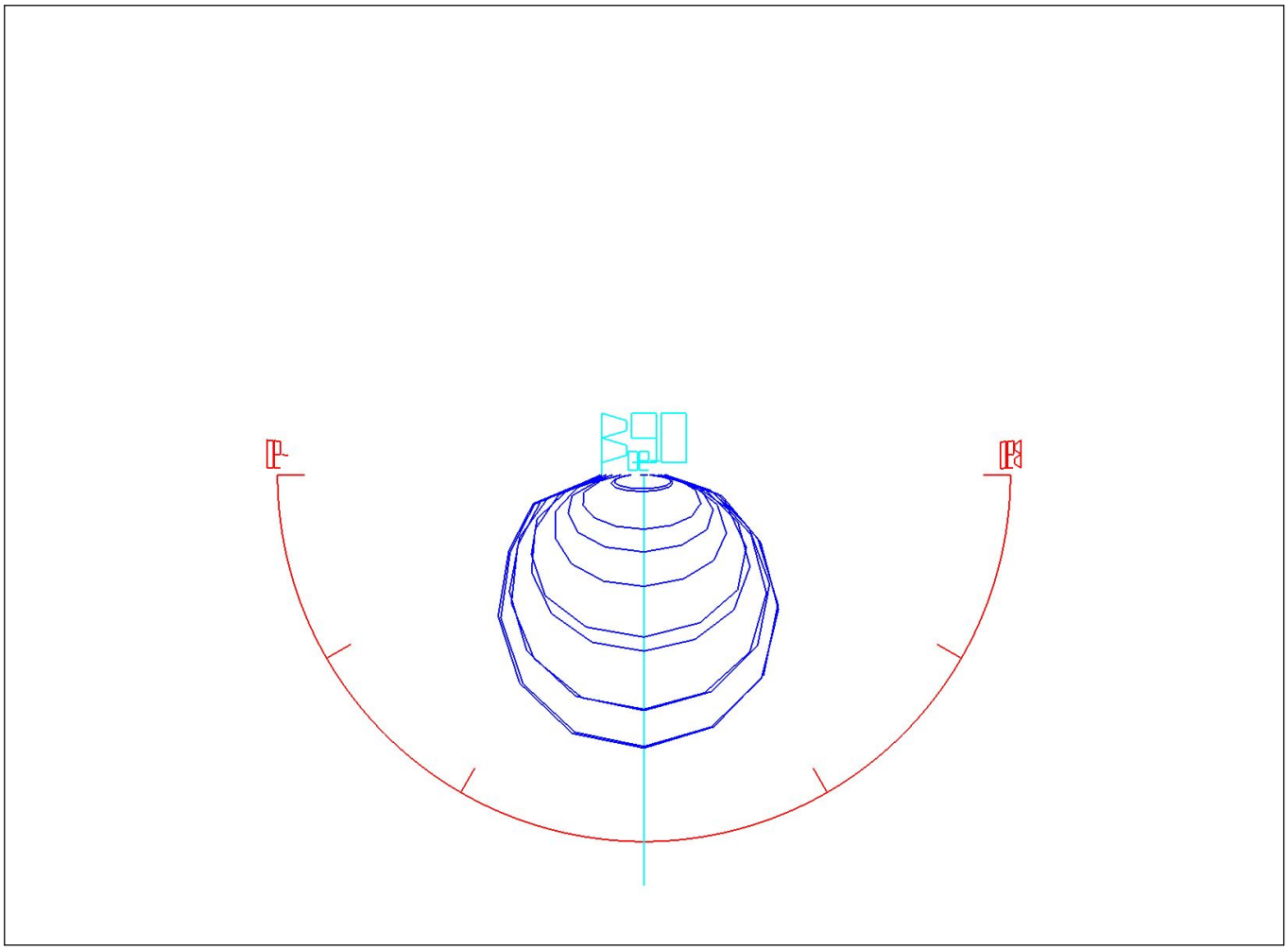
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	115.8	167.1	

IES Flood Report
Photometric Filename:HCP-3365484.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

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-3365484.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	0.03	0.26	0.70	1.25	1.74	2.00	1.97	1.66	1.17	0.67	0.26	0.04
B-75.0	0.05	0.45	1.26	2.20	2.99	3.42	3.37	2.85	2.03	1.16	0.43	0.05
B-60.0	0.07	0.63	1.73	2.95	3.95	4.52	4.50	3.86	2.79	1.60	0.59	0.07
B-45.0	0.09	0.78	2.10	3.59	4.86	5.60	5.59	4.81	3.46	1.97	0.73	0.09
B-30.0	0.10	0.89	2.39	4.08	5.52	6.38	6.40	5.51	3.97	2.24	0.83	0.10
B-15.0	0.11	0.94	2.52	4.31	5.83	6.74	6.78	5.85	4.21	2.37	0.87	0.10
B0.0	0.10	0.93	2.49	4.26	5.77	6.67	6.70	5.78	4.16	2.34	0.86	0.10
B15.0	0.10	0.85	2.31	3.97	5.38	6.21	6.22	5.36	3.85	2.17	0.80	0.09
B30.0	0.08	0.72	1.97	3.41	4.62	5.32	5.32	4.56	3.28	1.85	0.69	0.08
B45.0	0.06	0.55	1.50	2.60	3.53	4.07	4.04	3.45	2.49	1.42	0.53	0.06
B60.0	0.04	0.35	0.97	1.69	2.33	2.69	2.66	2.24	1.61	0.92	0.36	0.05
B75.0	0.03	0.19	0.49	0.83	1.12	1.27	1.22	1.00	0.70	0.40	0.17	0.03
B90.0												
Total	0.87	7.54	20.43	35.15	47.63	54.89	54.77	46.93	33.72	19.12	7.13	0.86

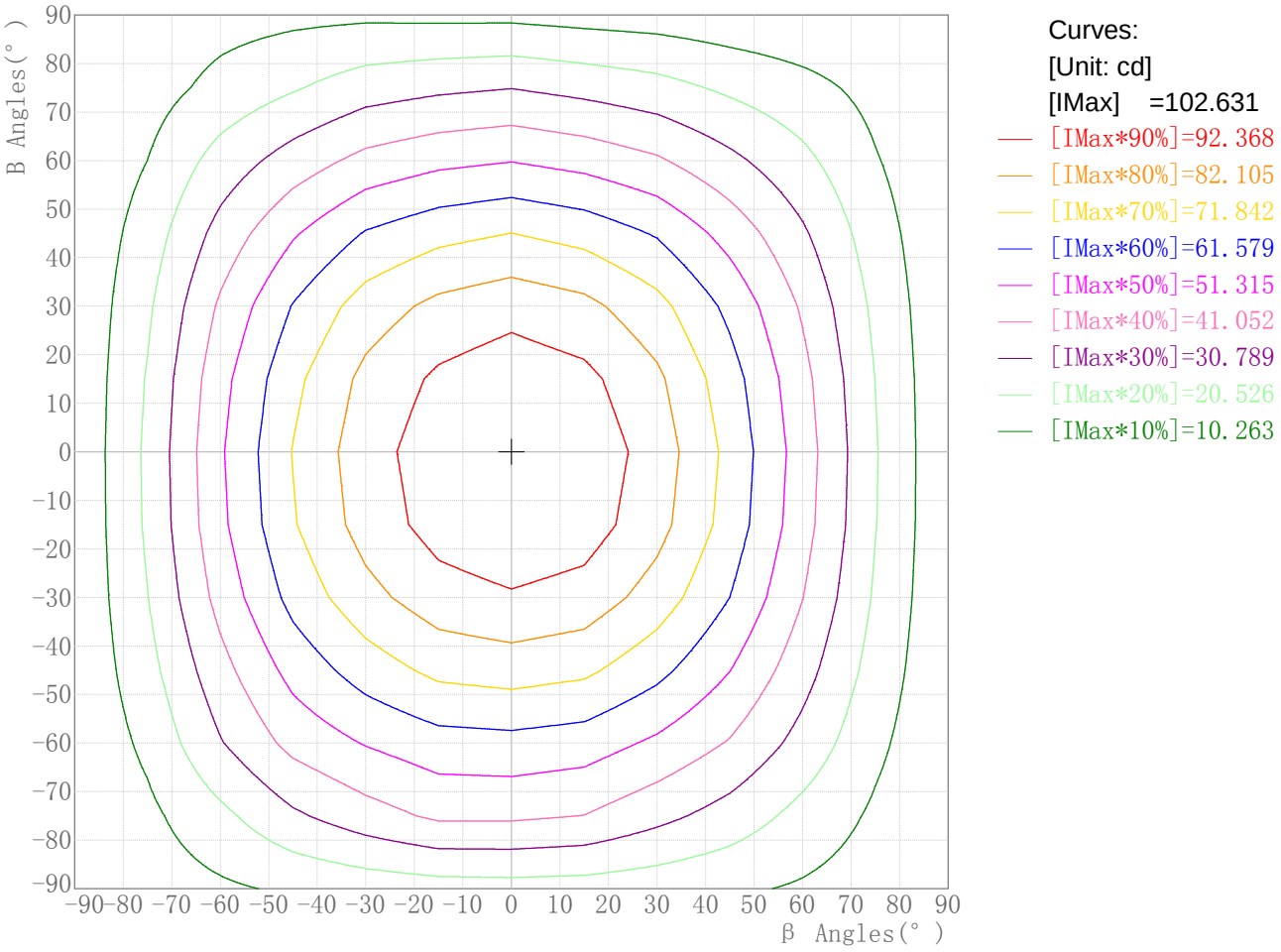
β 90.0	Total
B-90.0	
B-75.0	11.75
B-60.0	20.25
B-45.0	27.28
B-30.0	33.66
B-15.0	38.40
B0.0	40.61
B15.0	40.17
B30.0	37.31
B45.0	31.91
B60.0	24.33
B75.0	15.91
B90.0	7.44
Total	329.03

IES Flood Report
Photometric Filename:HCP-3365484.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =102.631
[IMax*90%]=92.368
[IMax*80%]=82.105
[IMax*70%]=71.842
[IMax*60%]=61.579
[IMax*50%]=51.315
[IMax*40%]=41.052
[IMax*30%]=30.789
[IMax*20%]=20.526
[IMax*10%]=10.263

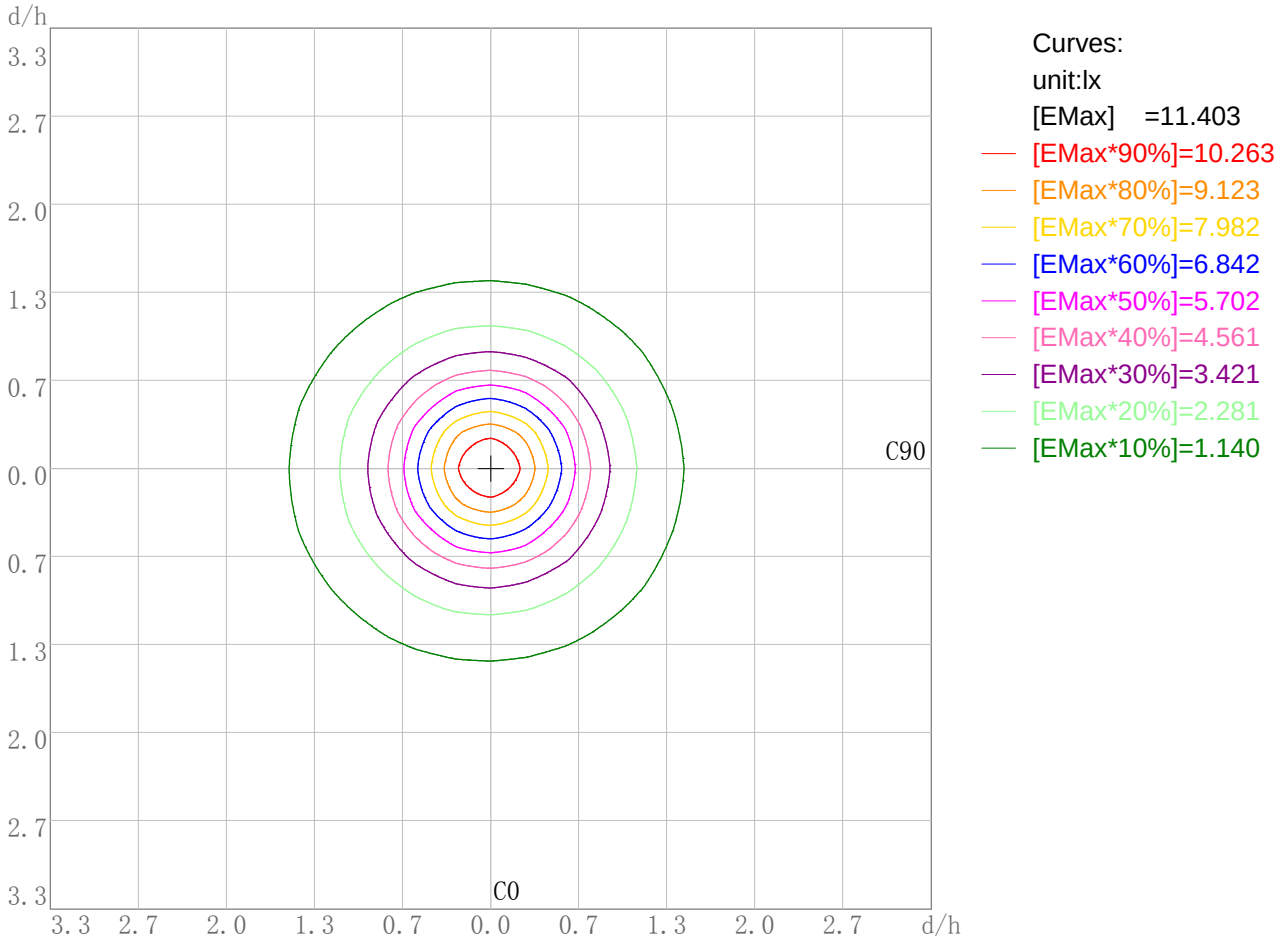
Maximum Light Intensity(cd): 102.63
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename:HCP-3365484.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Plane ISO-Illuminance Curve



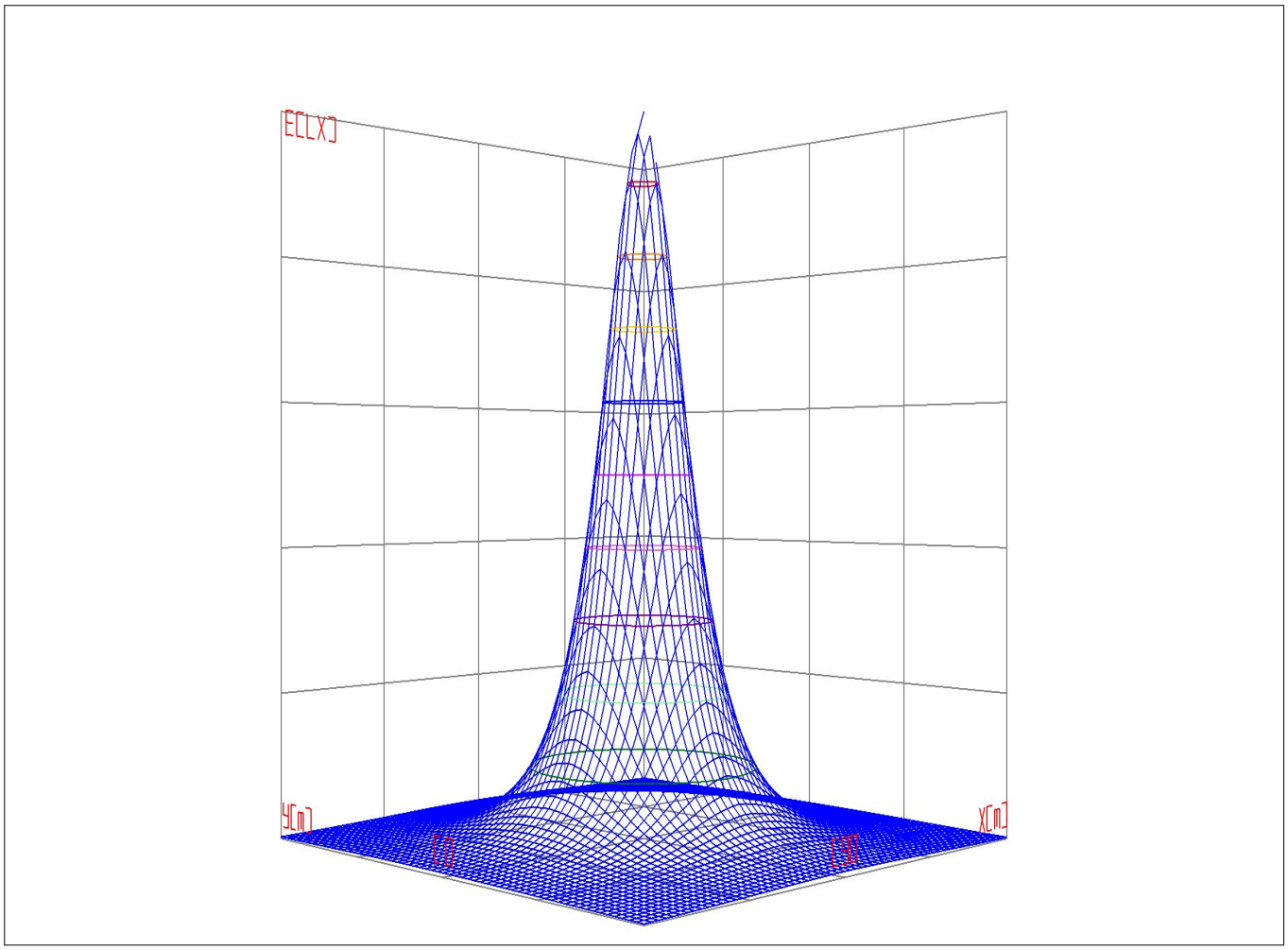
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 11.40
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename:HCP-3365484.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

3D Plane Illuminance Modal



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

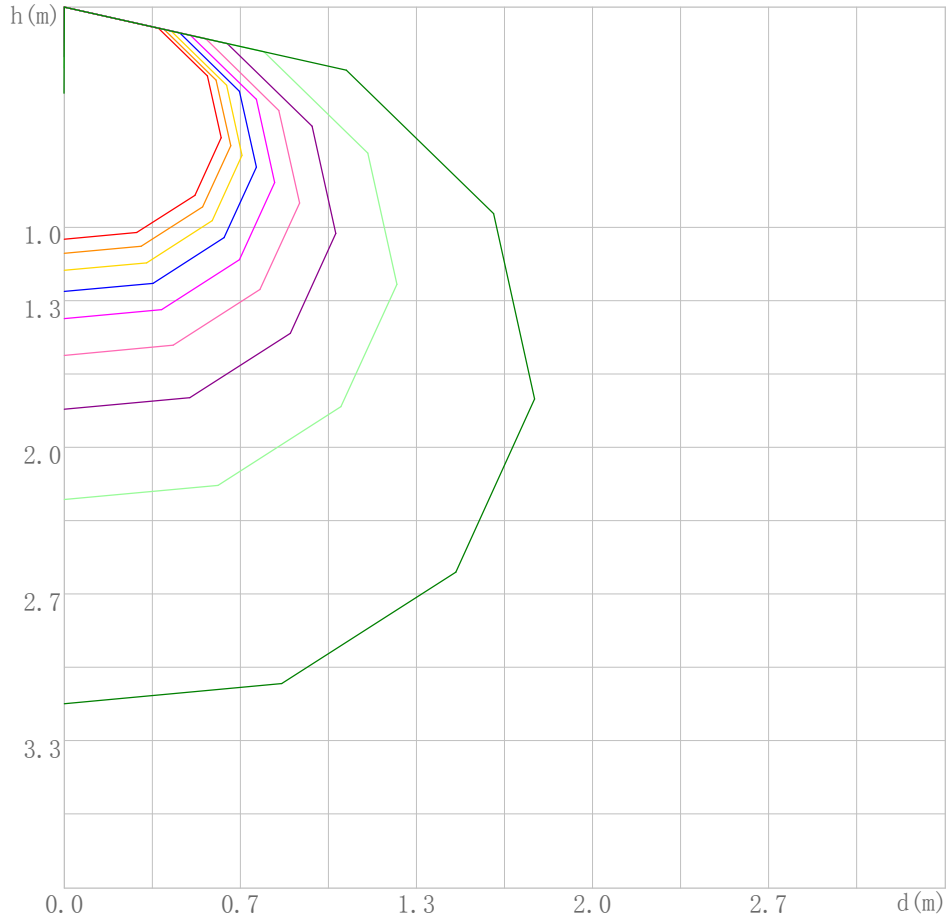
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename:HCP-3365484.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =98.060
[EMax*90%]=88.254
[EMax*80%]=78.448
[EMax*70%]=68.642
[EMax*60%]=58.836
[EMax*50%]=49.030
[EMax*40%]=39.224
[EMax*30%]=29.418
[EMax*20%]=19.612
[EMax*10%]=9.806

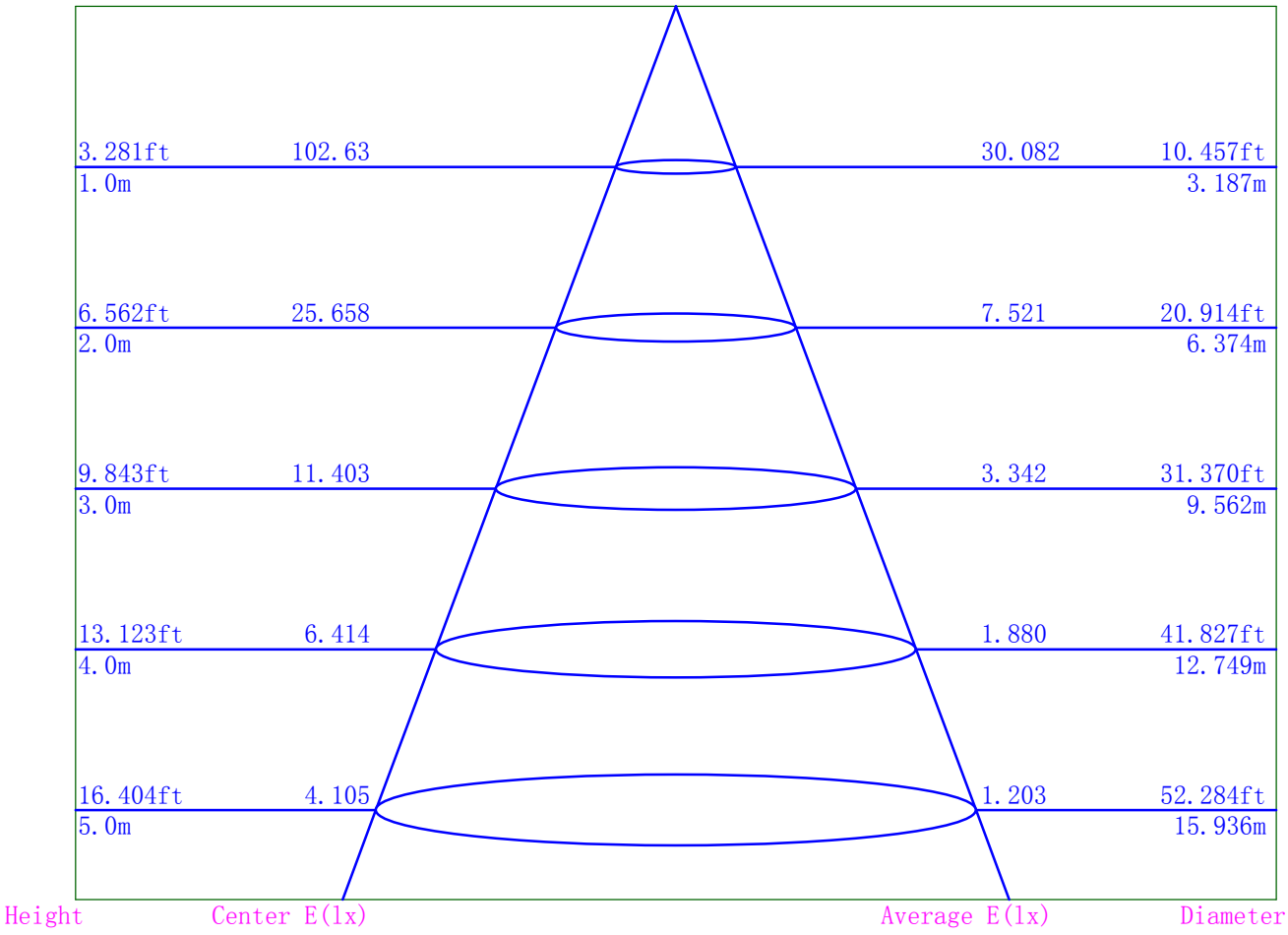
Space Plane Maximum Illuminance and @Angle:98.06lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:102.631cd,0eg

IES Flood Report
Photometric Filename:HCP-3365484.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365484	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog: HCP-3365484	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/21

Illuminance-Distance Curve



Beam Angle:115.8

IES Flood Report
Photometric Filename:HCP-3365484.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	1.45	4.74	8.57	11.81	14.32	16.01	16.48	15.95	14.25	11.98	9.04	5.22
B-75.0	1.45	7.91	17.94	29.07	36.76	42.93	42.91	40.87	33.83	26.55	17.23	8.64
B-60.0	1.45	12.49	30.06	44.24	51.98	57.52	58.44	56.46	49.44	40.26	27.21	12.56
B-45.0	1.45	16.93	37.48	54.84	66.47	74.54	76.57	74.01	64.57	51.51	34.81	16.32
B-30.0	1.45	20.28	44.60	64.97	78.80	88.02	91.28	88.37	77.54	61.55	41.26	19.20
B-15.0	1.45	22.08	48.93	70.96	86.41	96.52	100.68	97.43	85.79	67.64	45.17	20.90
B0.0	1.45	22.45	50.00	72.29	88.11	98.06	102.63	99.32	87.85	68.96	46.27	21.29
B15.0	1.45	21.31	47.83	69.22	84.92	94.24	98.58	95.11	84.15	65.93	44.27	20.39
B30.0	1.45	18.75	42.66	62.14	76.66	84.84	88.83	84.96	75.20	58.94	39.67	18.21
B45.0	1.45	14.93	34.47	50.17	62.38	68.69	71.92	68.15	60.60	47.41	32.29	14.97
B60.0	1.45	10.28	24.59	35.40	44.13	48.68	50.92	47.70	42.41	33.30	23.13	10.98
B75.0	1.45	5.84	13.30	19.54	25.95	28.80	30.56	27.66	24.18	18.61	13.48	7.23
B90.0	1.45	3.33	6.33	7.72	8.33	7.90	7.75	6.28	5.34	3.59	2.38	2.16

V/H	β 90.0
B-90.0	1.49
B-75.0	1.49
B-60.0	1.49
B-45.0	1.49
B-30.0	1.49
B-15.0	1.49
B0.0	1.49
B15.0	1.49
B30.0	1.49
B45.0	1.49
B60.0	1.49
B75.0	1.49
B90.0	1.49