IES Flood Report
Photometric Filename: HCP-3365143.IES

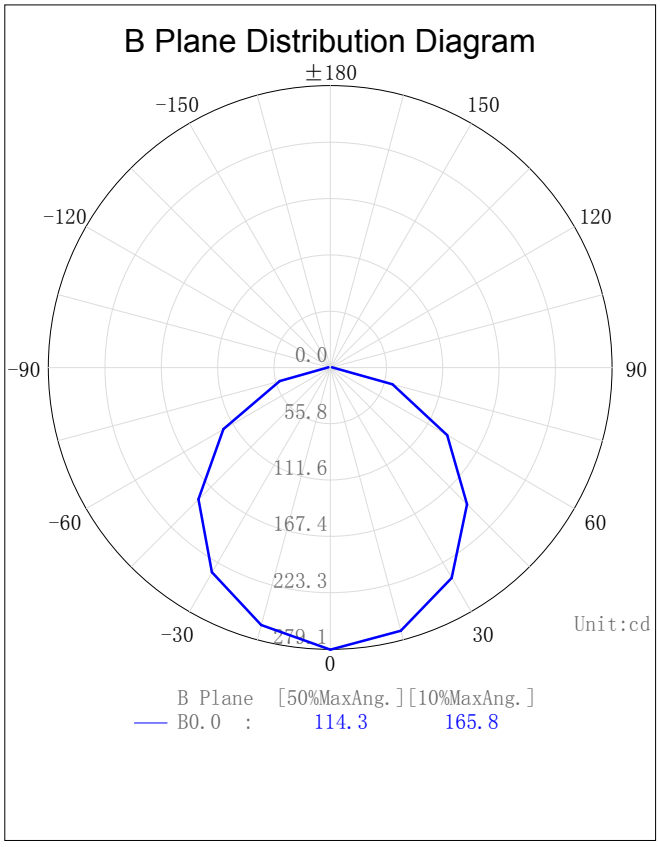
Flood Luminaire Photometric Data

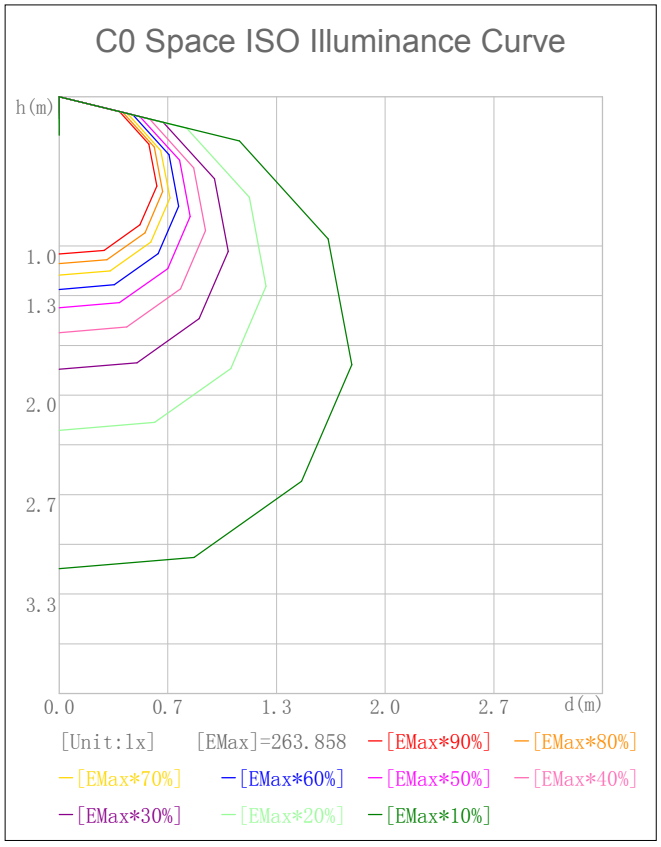
Description Information

Luminary Name: HCP-3365143		Lum. Catelog:	Test ID:
Lamp Name: 2110 3000K		Lamp Catelog:	Test Date: 2019/07/16
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):	1029.200	Luminary Flux(lm):	883.544	Beam Lumens(lm):	639.42
Rated Power(W):		Luminary Efficiency:	85.85%	Beam Efficiency(%):	72.37
Rated Voltage(V):		Luminary EER(lm/W):	61.357	Field Lumens(lm):	871.90
Tested Power(W):	14.400	Max.Candela(cd):	279.065	Field Efficiency(%):	98.68
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	644.210lm
Tested Electrics(V,A,pf):24.0,0.6,0.000		Beam Angle(50%)(V,H):	125.6(°),114.3(°)	IRF(%):	106.809
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	176.4(°),165.8(°)		





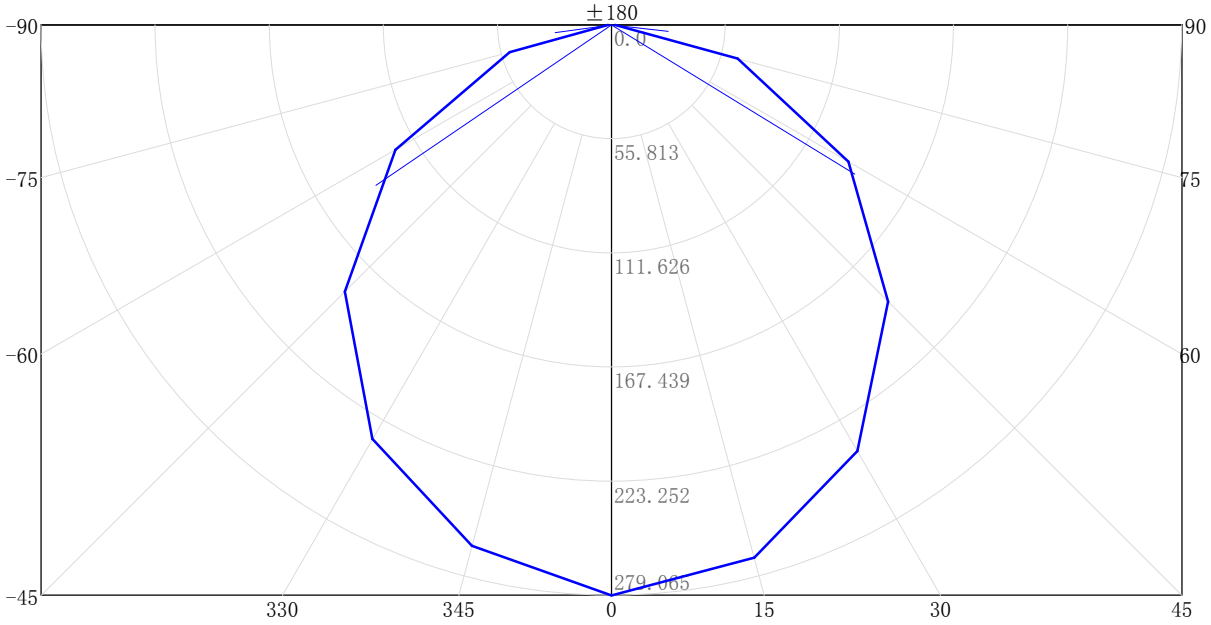
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

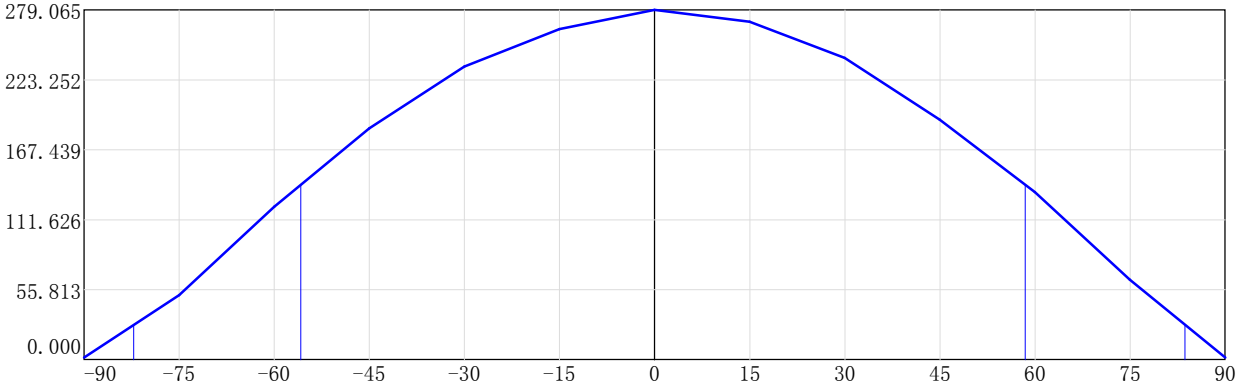
IES Flood Report
Photometric Filename: HCP-3365143.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

B Plane Distribution Diagram





B Plane [50%MaxAng.] [10%MaxAng.] Unit:cd

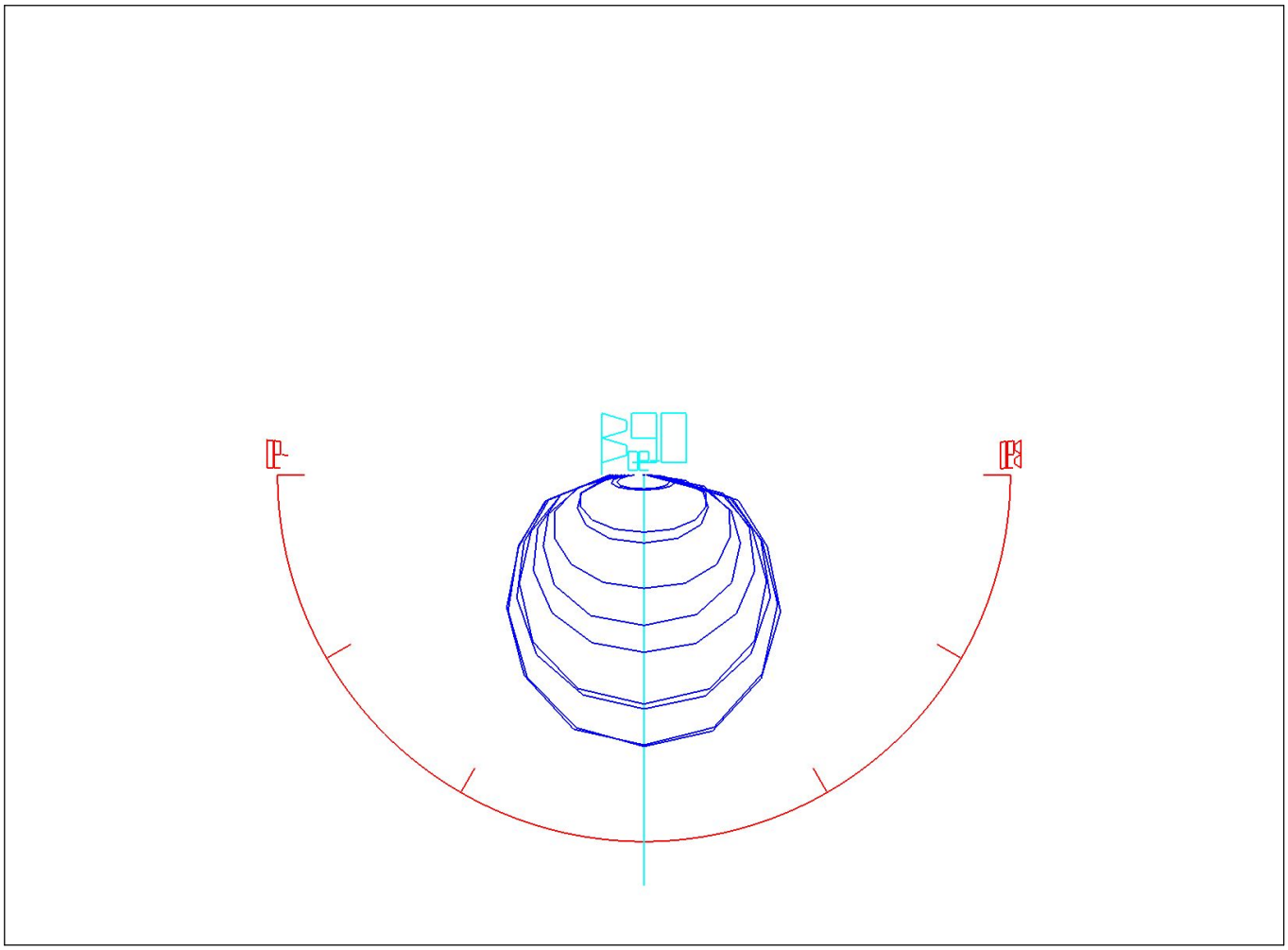
B0.0 : 114.3 165.8

IES Flood Report
Photometric Filename: HCP-3365143.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

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-3365143.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	0.07	0.57	1.61	2.87	4.02	4.70	4.70	4.06	3.00	1.76	0.71	0.10
B-75.0	0.11	1.03	3.00	5.31	7.31	8.51	8.51	7.39	5.47	3.20	1.21	0.14
B-60.0	0.16	1.49	4.21	7.32	10.00	11.57	11.61	10.13	7.53	4.46	1.72	0.20
B-45.0	0.20	1.85	5.15	9.08	12.55	14.57	14.66	12.77	9.37	5.47	2.11	0.25
B-30.0	0.23	2.12	5.93	10.51	14.55	16.92	17.02	14.83	10.81	6.27	2.41	0.28
B-15.0	0.24	2.25	6.31	11.21	15.53	18.13	18.28	15.87	11.55	6.67	2.55	0.29
B0.0	0.23	2.24	6.29	11.19	15.51	18.16	18.36	15.91	11.59	6.69	2.55	0.29
B15.0	0.22	2.09	5.86	10.44	14.47	16.92	17.11	14.87	10.87	6.28	2.39	0.27
B30.0	0.19	1.80	5.02	8.92	12.38	14.48	14.65	12.76	9.33	5.40	2.07	0.24
B45.0	0.15	1.42	3.99	7.02	9.68	11.32	11.48	10.04	7.38	4.31	1.65	0.19
B60.0	0.09	0.94	2.74	4.91	6.81	8.03	8.17	7.14	5.24	3.03	1.15	0.13
B75.0	0.04	0.37	1.06	1.95	2.76	3.34	3.45	3.02	2.20	1.25	0.49	0.06
B90.0												
Total	1.91	18.16	51.17	90.73	125.57	146.65	148.00	128.79	94.34	54.78	21.02	2.43

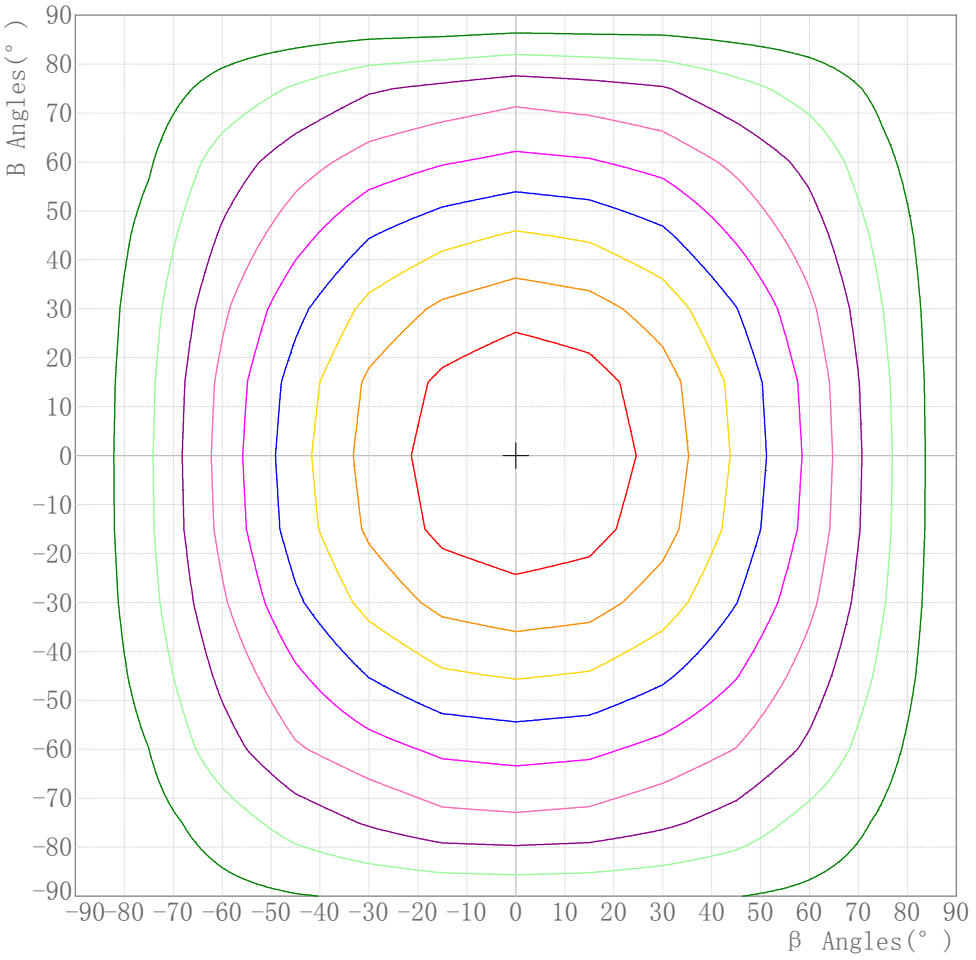
β 90.0	Total
B-90.0	
B-75.0	28.17
B-60.0	51.18
B-45.0	70.39
B-30.0	88.02
B-15.0	101.88
B0.0	108.88
B15.0	109.01
B30.0	101.80
B45.0	87.21
B60.0	68.62
B75.0	48.38
B90.0	20.00
Total	883.54

IES Flood Report
Photometric Filename: HCP-3365143.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =279.065
[IMax*90%]=251.159
[IMax*80%]=223.252
[IMax*70%]=195.346
[IMax*60%]=167.439
[IMax*50%]=139.533
[IMax*40%]=111.626
[IMax*30%]=83.720
[IMax*20%]=55.813
[IMax*10%]=27.907

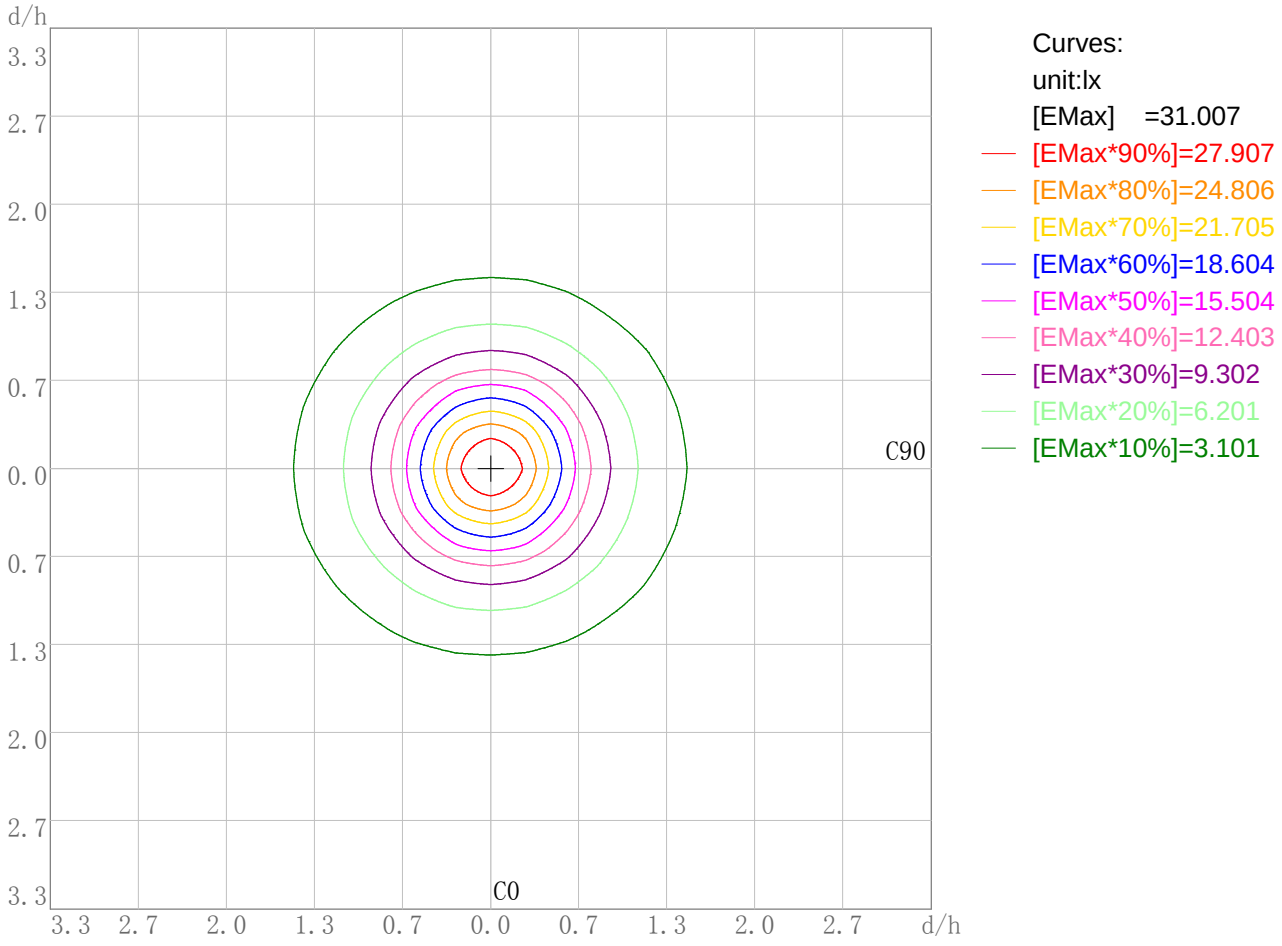
Maximum Light Intensity(cd): 279.07
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3365143.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Plane ISO-Illuminance Curve



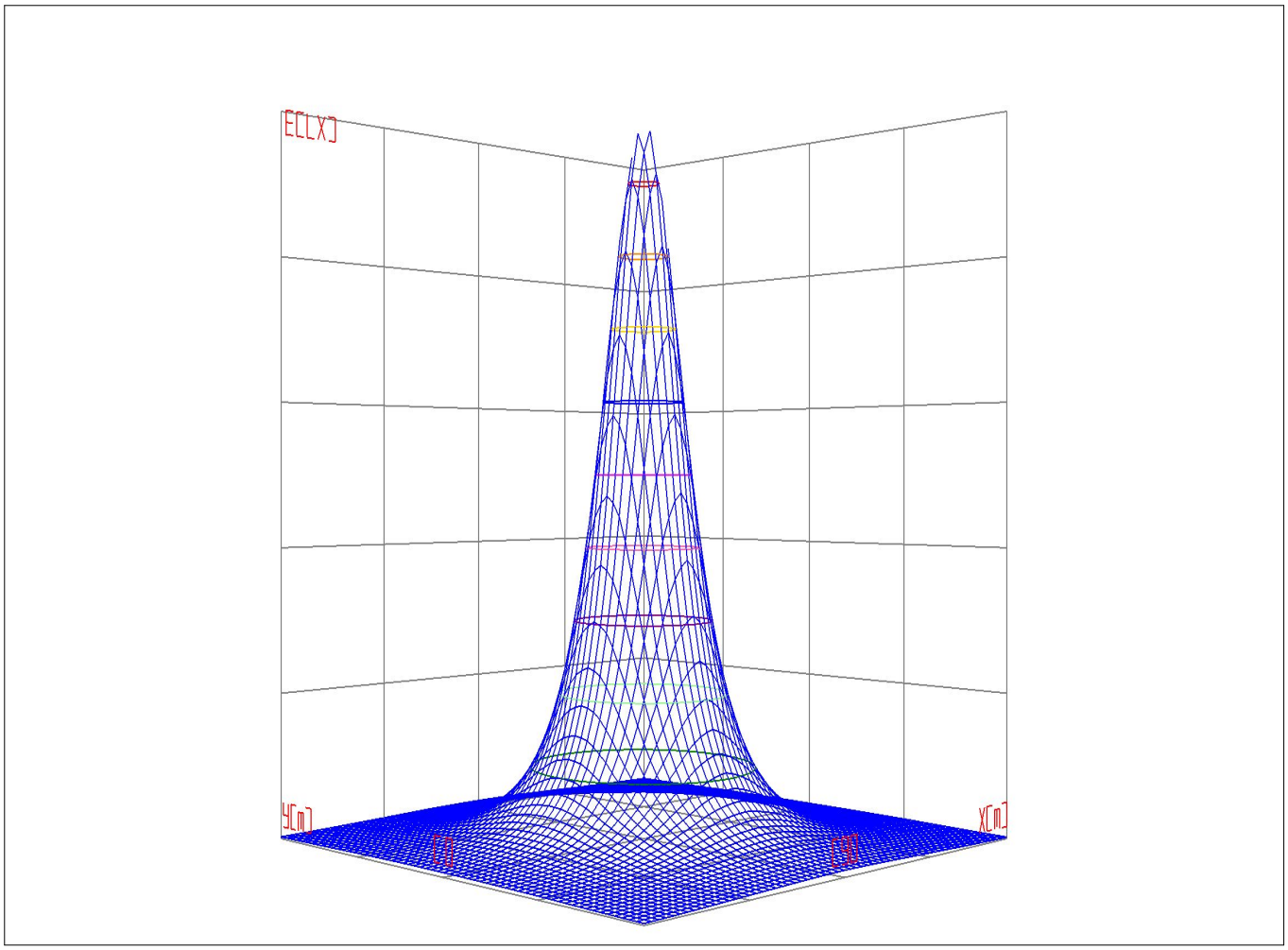
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 31.01
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3365143.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

3D Plane Illuminance Modal



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

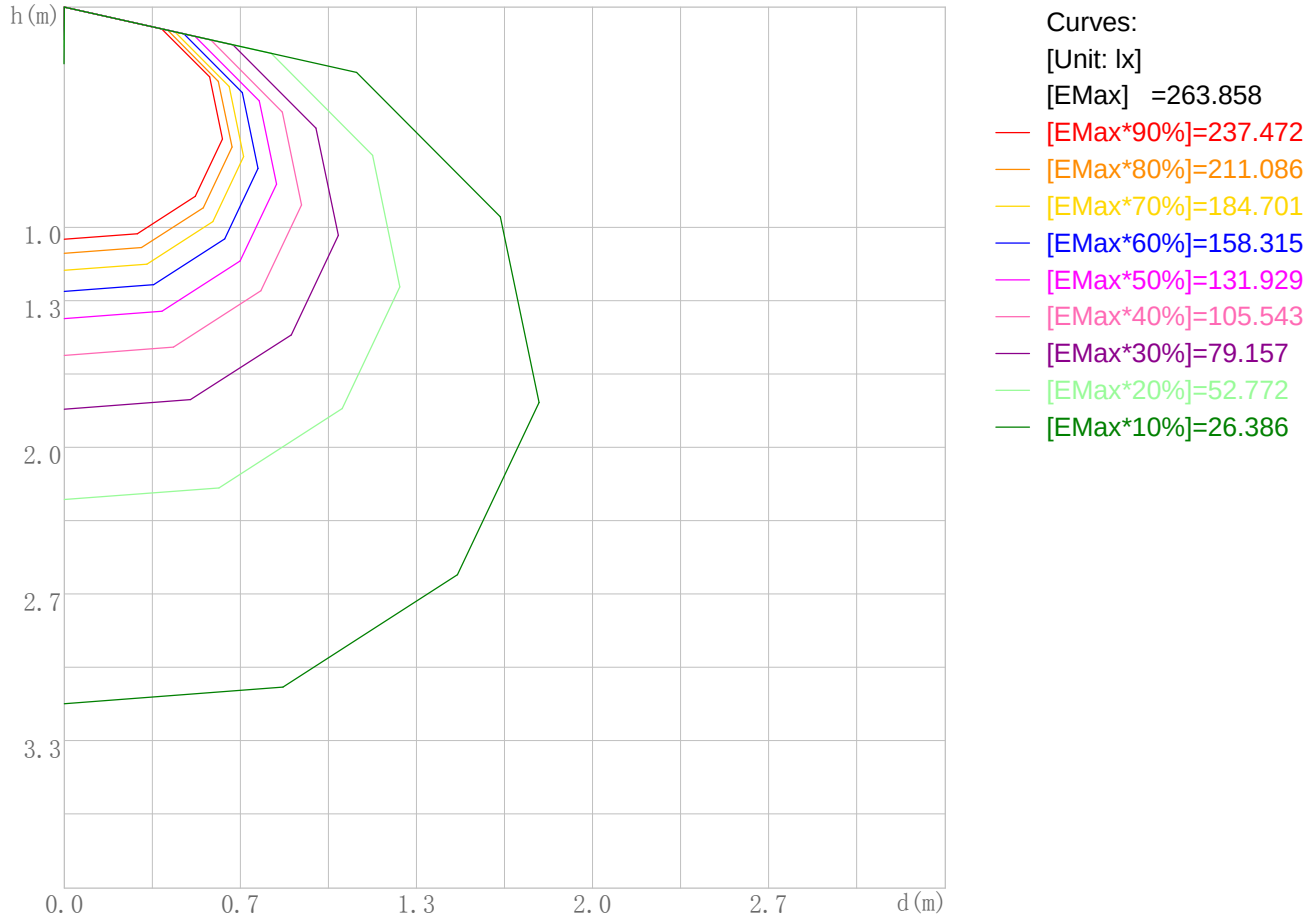
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3365143.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Space ISO Illuminance Curve



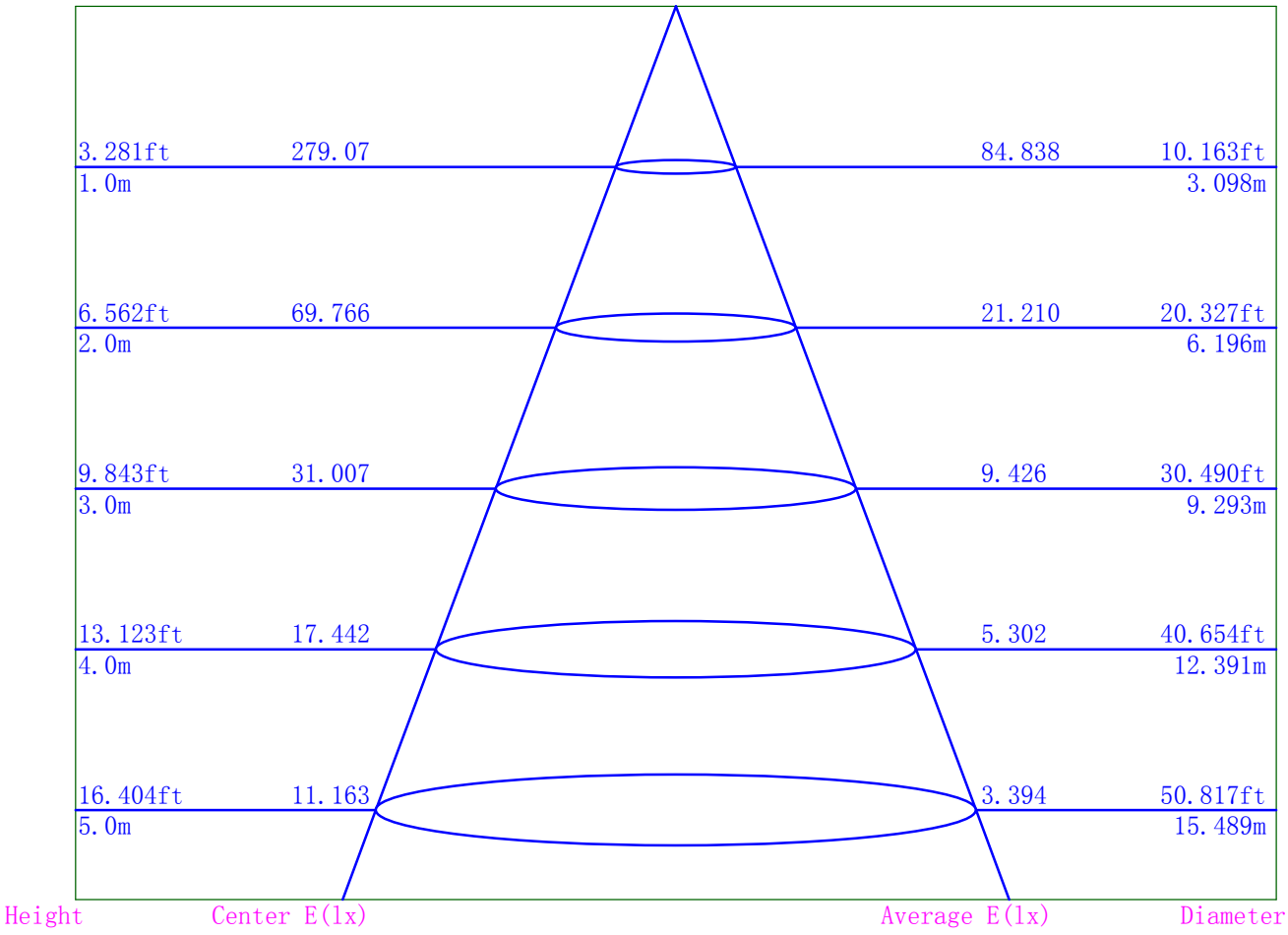
Space Plane Maximum Illuminance and @Angle:263.86lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:279.065cd,0eg

IES Flood Report
Photometric Filename: HCP-3365143.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3365143	Lum.Catelog:	Test ID:
Lamp Name: 2110 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/16

Illuminance-Distance Curve



Beam Angle:114.3

IES Flood Report
Photometric Filename: HCP-3365143.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	1.76	9.76	19.41	26.41	31.32	34.01	35.52	34.20	32.04	28.44	22.65	15.30
B-75.0	1.76	16.77	41.24	67.70	86.54	102.58	105.46	102.07	89.09	72.06	46.08	24.08
B-60.0	1.76	27.75	71.44	108.34	128.80	144.97	149.49	145.59	131.16	110.94	78.36	36.75
B-45.0	1.76	38.42	90.37	134.55	168.40	191.16	197.51	192.70	172.41	140.96	98.61	48.98
B-30.0	1.76	46.49	107.63	162.62	204.47	231.07	240.21	234.71	209.46	168.23	117.87	57.92
B-15.0	1.76	50.88	119.35	180.52	227.98	258.40	268.90	261.20	233.92	186.20	130.32	62.69
B0.0	1.76	51.59	122.11	184.56	233.86	263.86	279.07	269.72	240.66	191.40	133.73	63.80
B15.0	1.76	49.82	118.75	179.16	228.02	256.74	272.45	262.62	234.95	188.02	130.30	61.76
B30.0	1.76	44.83	106.33	159.50	203.39	228.65	241.10	233.68	210.77	168.43	117.33	55.87
B45.0	1.76	36.34	87.26	129.25	165.80	186.35	198.51	191.37	172.81	135.94	97.01	46.42
B60.0	1.76	25.21	67.75	99.19	123.56	137.40	146.18	141.93	130.05	105.36	75.89	33.79
B75.0	1.76	13.58	37.67	58.97	80.38	90.17	100.21	94.18	85.90	65.02	44.60	21.11
B90.0	1.76	2.30	2.81	2.37	2.28	2.10	4.69	4.78	6.17	5.29	5.23	4.37

V/H	β 90.0
B-90.0	1.74
B-75.0	1.74
B-60.0	1.74
B-45.0	1.74
B-30.0	1.74
B-15.0	1.74
B0.0	1.74
B15.0	1.74
B30.0	1.74
B45.0	1.74
B60.0	1.74
B75.0	1.74
B90.0	1.74