IES Flood Report
Photometric Filename: HCP-3327204.IES

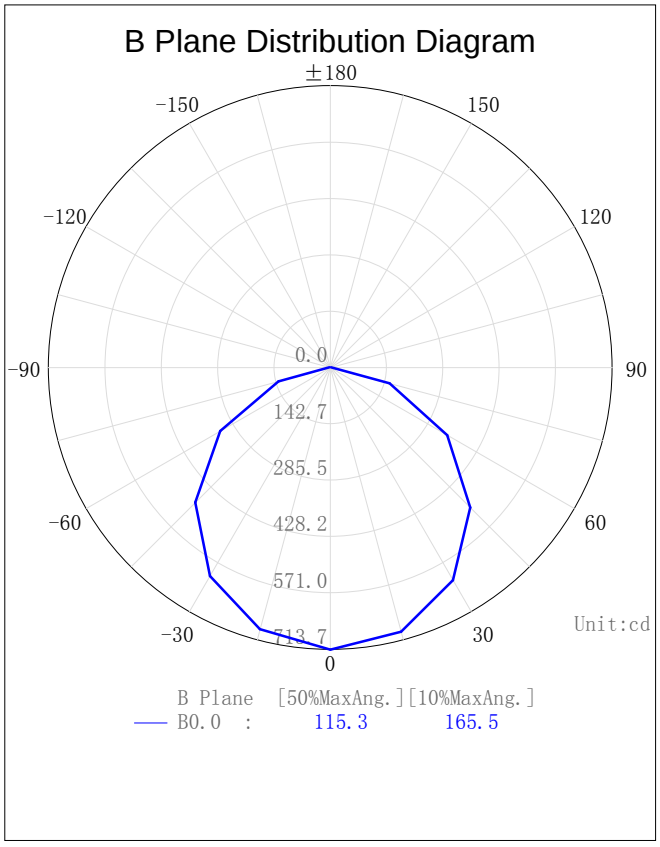
Flood Luminaire Photometric Data

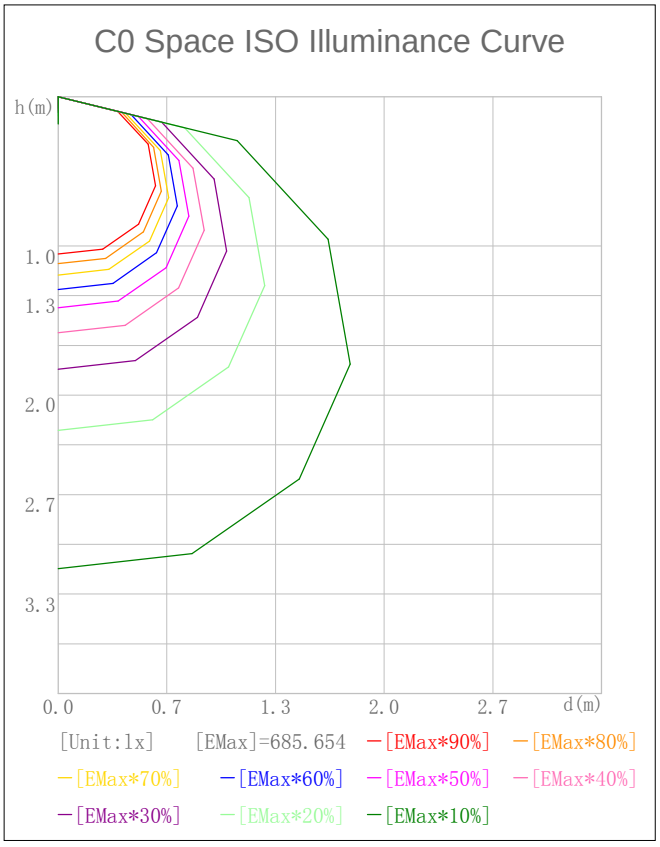
Description Information

Luminary Name: HCP-3327204		Lum. Catelog:	Test ID:
Lamp Name: 2110 4000K		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): 2354.900	Luminary Flux(lm):	2089.369	Beam Lumens(lm): 1523.69
Rated Power(W):	Luminary Efficiency:	88.72%	Beam Efficiency(%): 72.93
Rated Voltage(V):	Luminary EER(lm/W):	96.730	Field Lumens(lm): 2043.08
Tested Power(W): 21.600	Max.Candela(cd):	713.722	Field Efficiency(%): 97.78
Lamps' Inside: 1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°): 1627.089lm
Tested Electrics(V,A,pf):24.0,0.9,0.000	Beam Angle(50%)(V,H):	114.6(°),115.3(°)	IRF(%): 107.881
Lamp Size(W*L*H):0.008m*0.100m*0.010m	Field Angle(10%)(V,H):	165.4(°),165.5(°)	



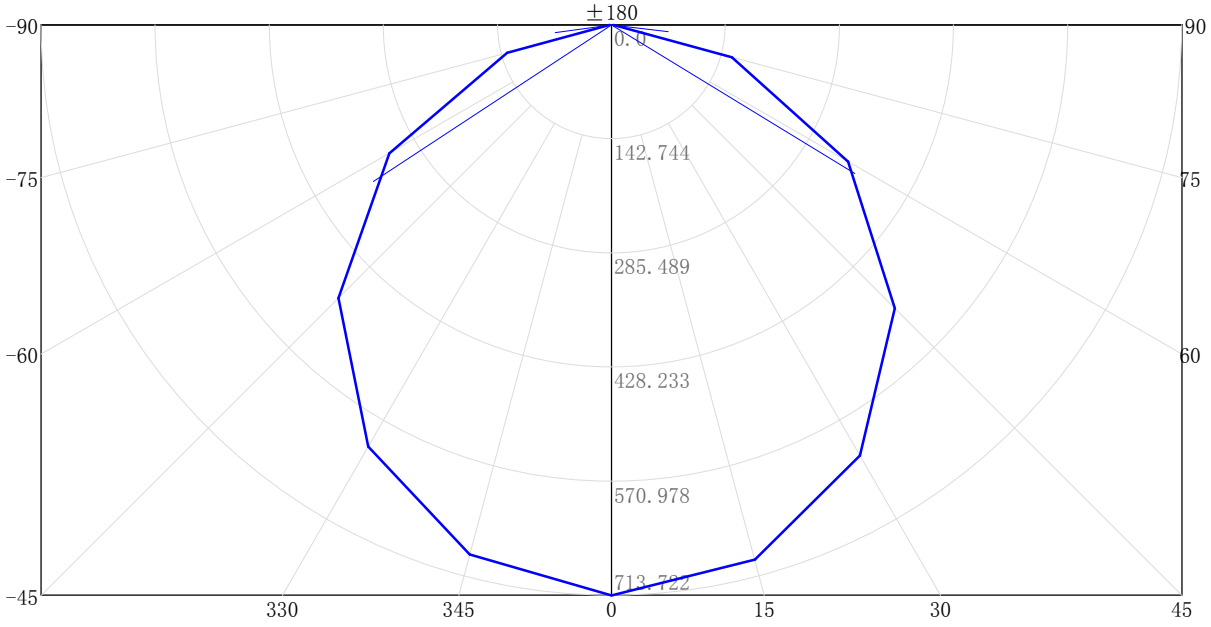


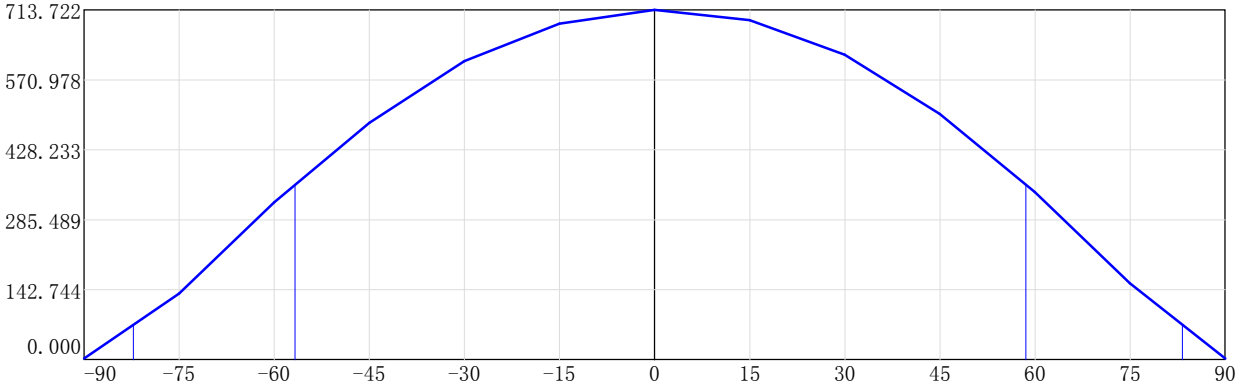
IES Flood Report
Photometric Filename: HCP-3327204.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

B Plane Distribution Diagram





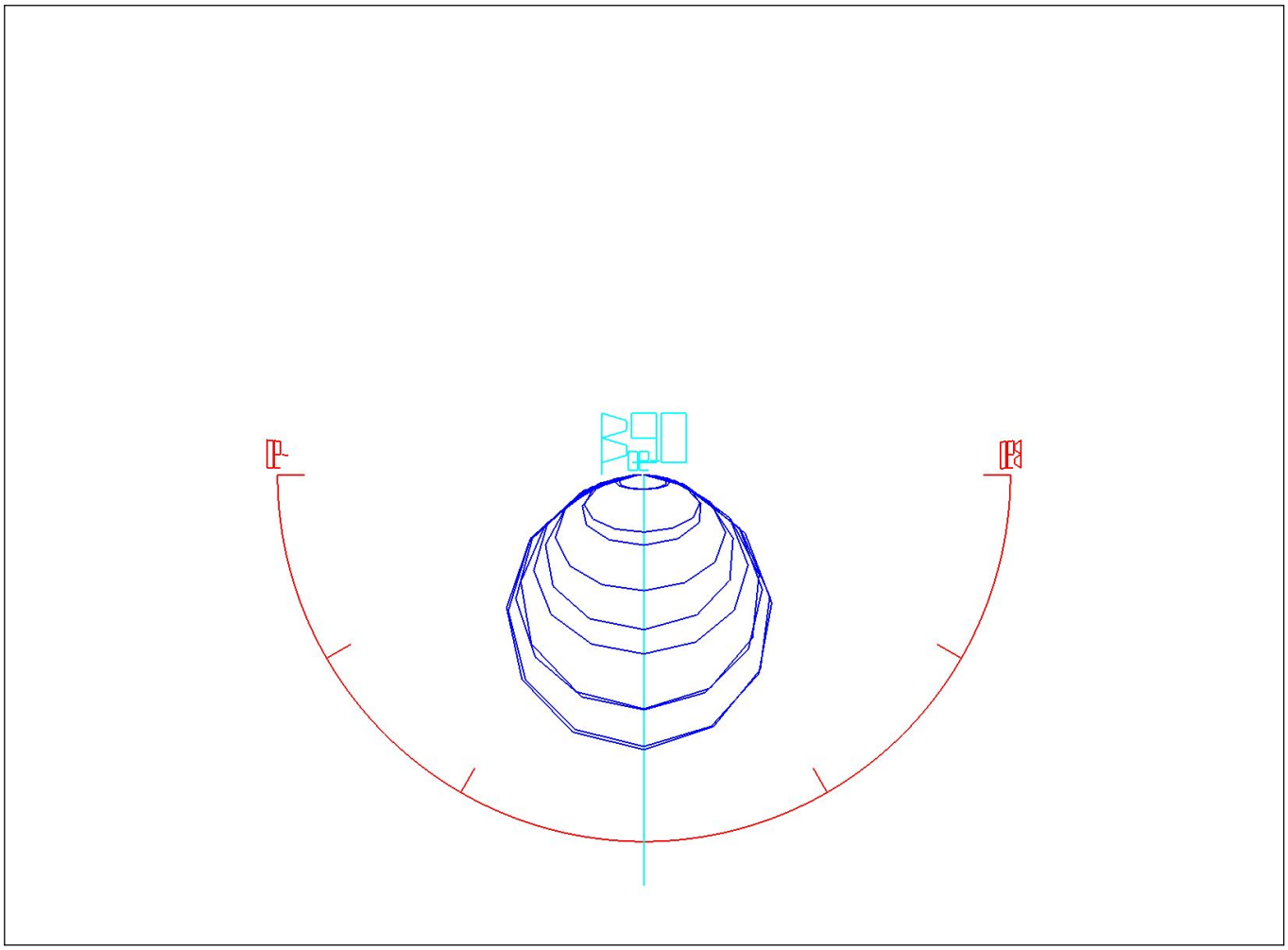
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B0.0 :	115.3	165.5	

IES Flood Report
Photometric Filename: HCP-3327204.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	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-3327204.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	0.08	0.73	2.13	3.74	5.16	6.00	6.18	5.64	4.34	2.63	1.03	0.13
B-75.0	0.20	1.90	5.61	10.23	14.50	17.04	17.30	15.18	11.12	6.39	2.36	0.27
B-60.0	0.34	3.28	9.57	17.34	24.33	28.43	28.69	25.01	18.25	10.42	3.81	0.42
B-45.0	0.46	4.53	12.97	23.22	32.29	37.57	37.81	32.95	24.10	13.82	5.08	0.55
B-30.0	0.56	5.43	15.35	27.25	37.71	43.79	44.03	38.35	28.11	16.17	5.98	0.65
B-15.0	0.60	5.87	16.49	29.19	40.31	46.76	47.00	40.94	30.03	17.30	6.41	0.70
B0.0	0.60	5.81	16.32	28.93	39.96	46.37	46.61	40.59	29.77	17.13	6.35	0.69
B15.0	0.54	5.26	14.85	26.48	36.67	42.62	42.87	37.31	27.34	15.68	5.80	0.63
B30.0	0.43	4.26	12.17	21.94	30.56	35.63	35.87	31.21	22.82	13.01	4.79	0.52
B45.0	0.30	2.94	8.52	15.61	21.96	25.74	25.99	22.63	16.51	9.36	3.45	0.38
B60.0	0.16	1.55	4.51	8.34	11.78	13.89	14.13	12.41	9.16	5.24	1.99	0.23
B75.0	0.06	0.47	1.30	2.37	3.29	3.89	4.00	3.59	2.74	1.63	0.66	0.09
B90.0												
Total	4.32	42.02	119.78	214.64	298.53	347.76	350.49	305.82	224.30	128.77	47.70	5.25

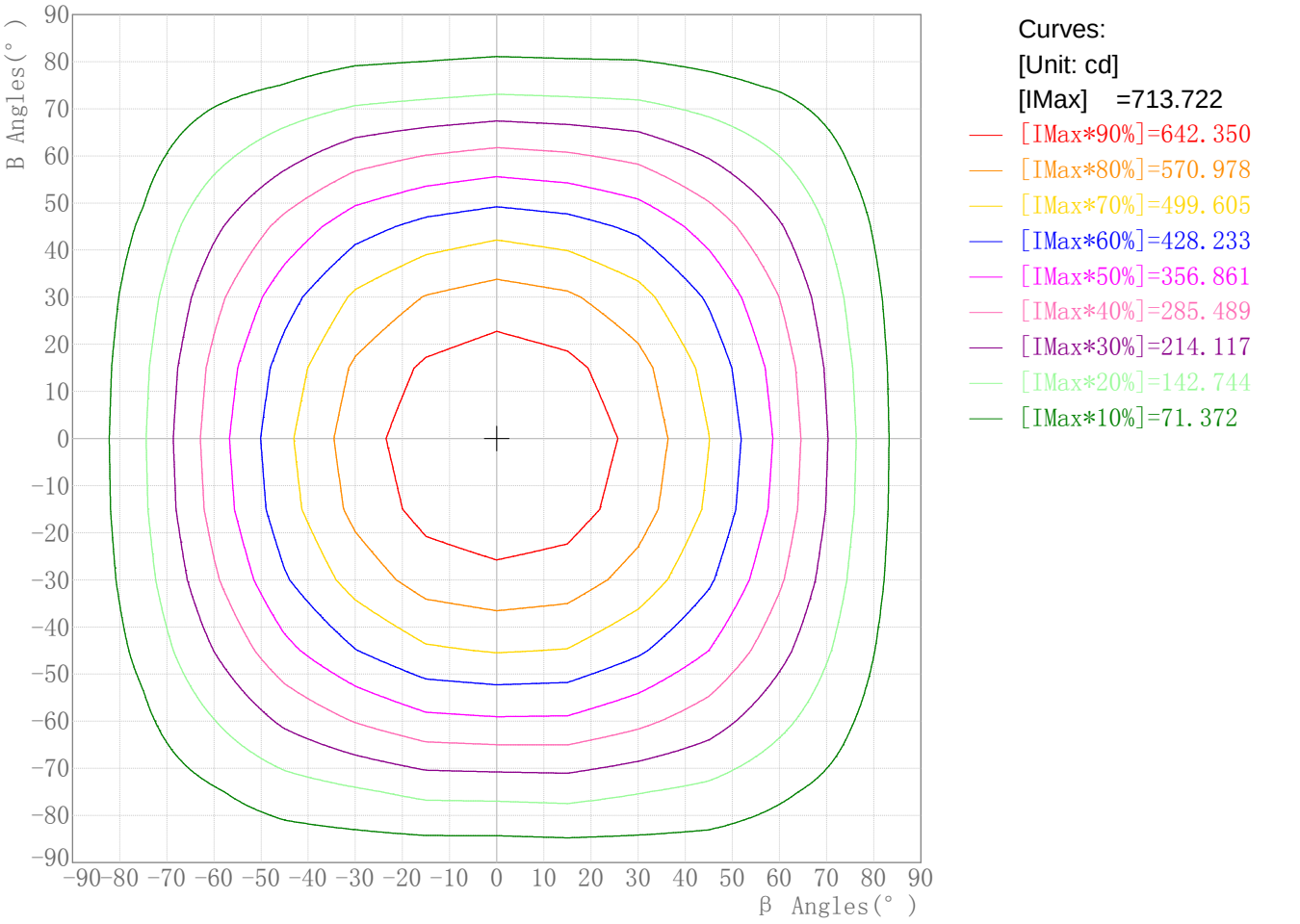
β 90.0	Total
B-90.0	37.80
B-75.0	102.10
B-60.0	169.90
B-45.0	225.36
B-30.0	263.37
B-15.0	281.59
B0.0	279.14
B15.0	256.04
B30.0	213.21
B45.0	153.39
B60.0	83.40
B75.0	24.07
B90.0	
Total	2089.37

IES Flood Report
Photometric Filename: HCP-3327204.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

ISO Lighting Intensity Curve



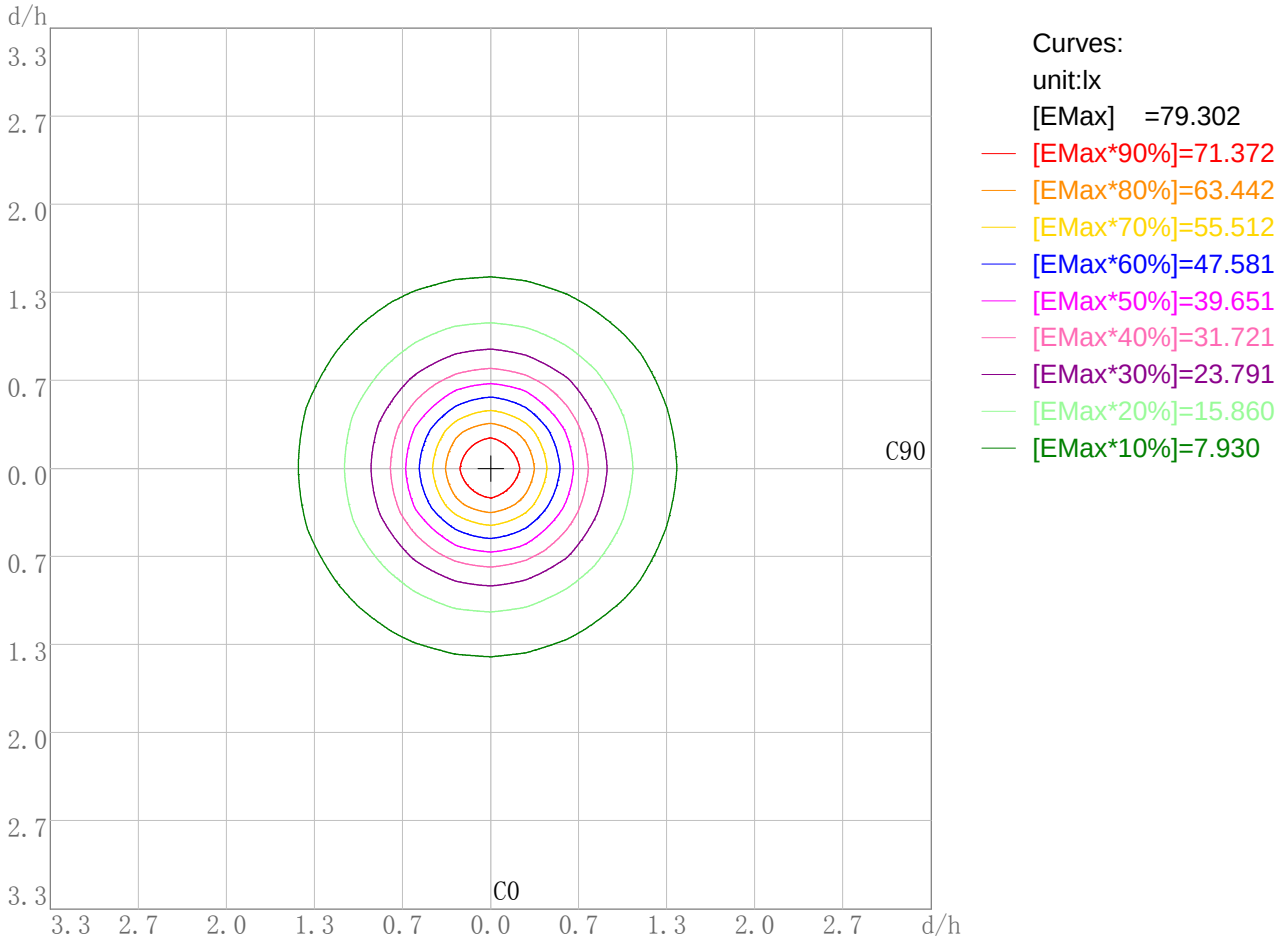
Maximum Light Intensity(cd): 713.72
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3327204.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Plane ISO-Illuminance Curve



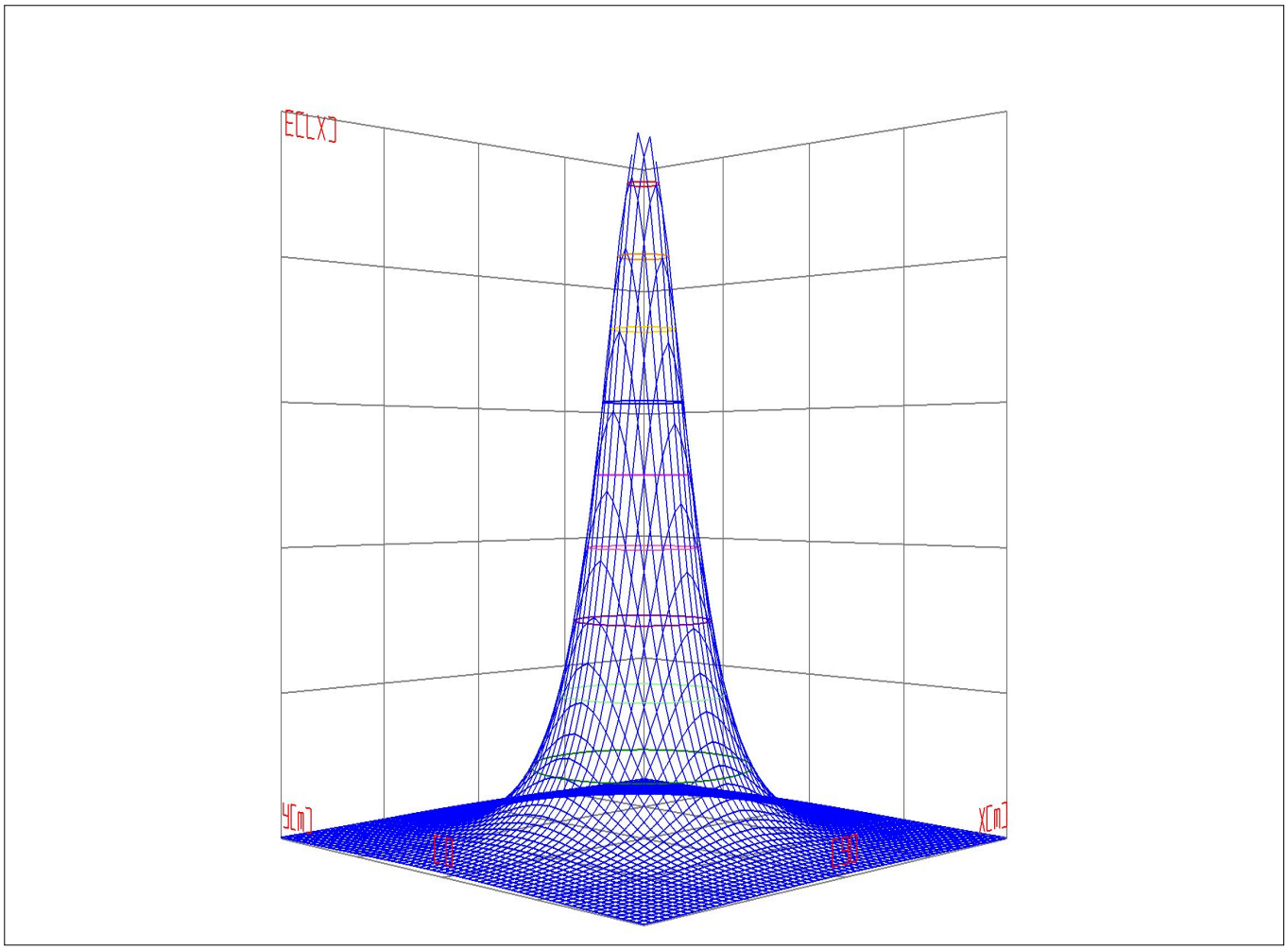
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 79.30
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3327204.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	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%

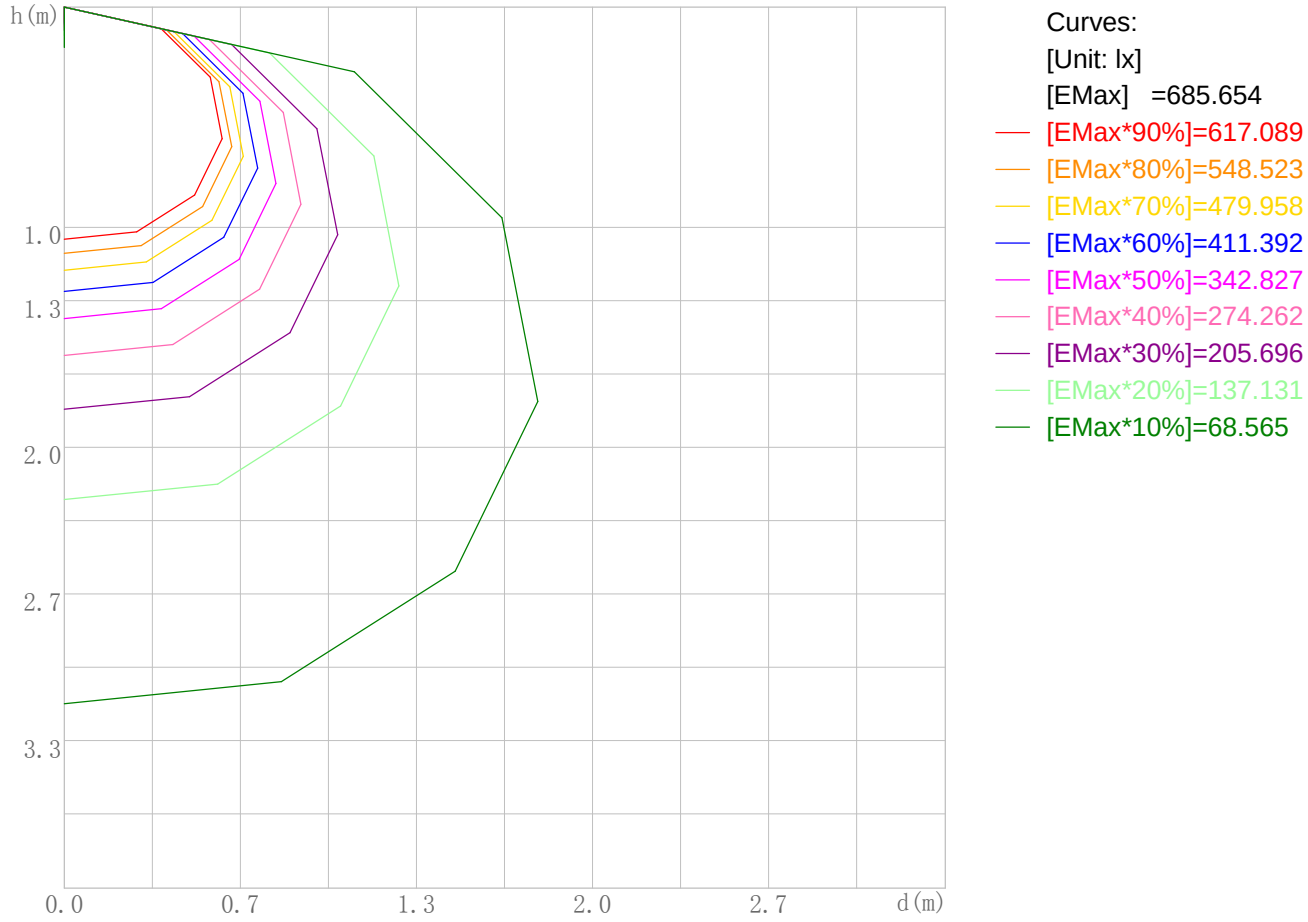
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3327204.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Space ISO Illuminance Curve



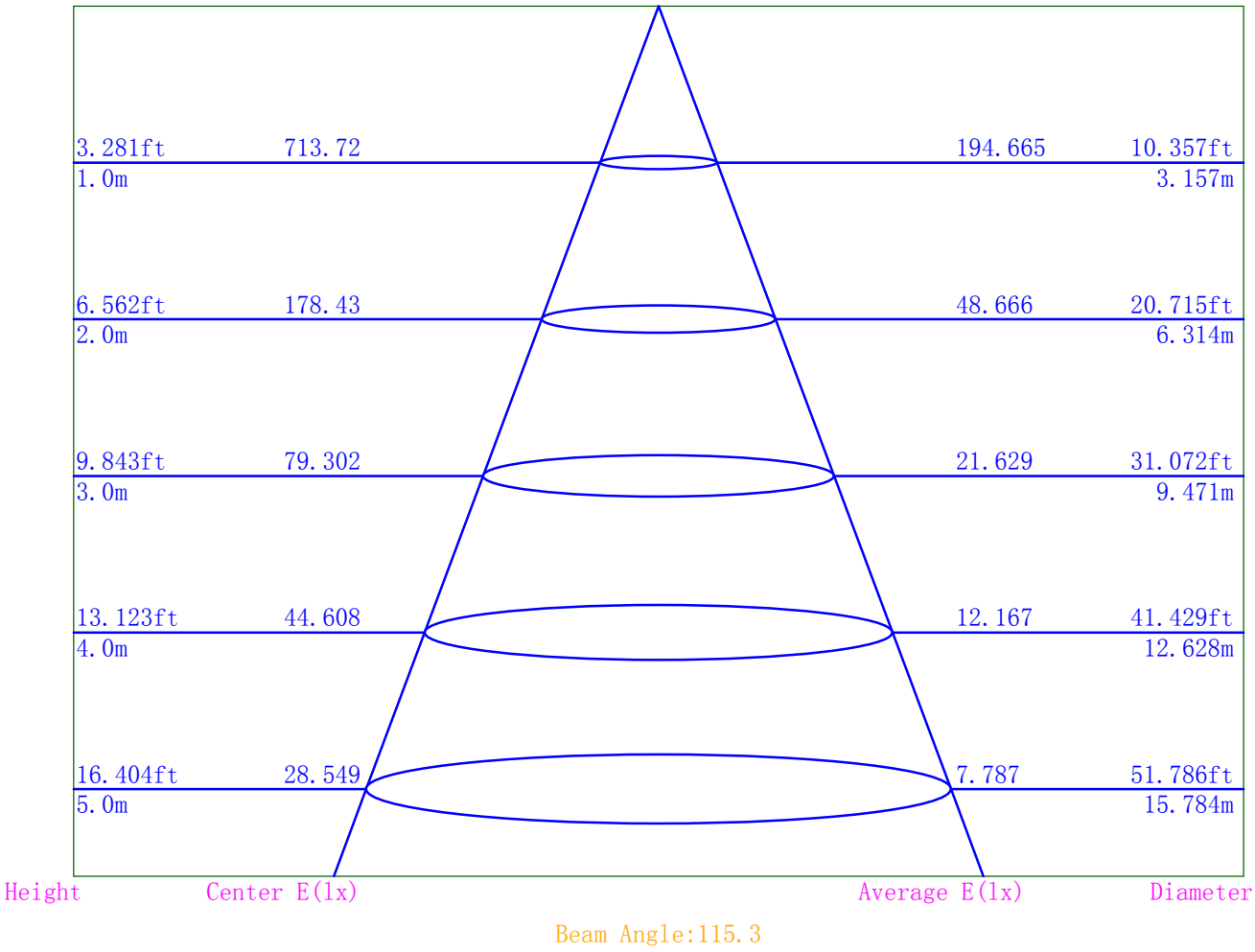
Space Plane Maximum Illuminance and @Angle:685.65lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:713.722cd,0eg

IES Flood Report
Photometric Filename: HCP-3327204.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3327204	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/05/20

Illuminance-Distance Curve



Beam Angle:115.3

IES Flood Report
Photometric Filename: HCP-3327204.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	2.35	6.38	13.89	18.82	18.12	16.75	15.94	19.87	23.78	26.18	20.90	11.91
B-75.0	2.35	26.75	65.24	106.36	132.70	159.60	162.11	167.19	146.32	123.87	82.09	41.88
B-60.0	2.35	57.52	140.41	226.96	288.76	337.58	346.92	345.21	303.17	246.83	161.23	75.66
B-45.0	2.35	89.07	214.96	337.42	425.92	489.37	504.69	496.66	439.66	356.87	236.90	108.58
B-30.0	2.35	114.65	274.11	420.65	528.88	601.57	622.42	608.55	542.25	439.26	295.71	135.17
B-15.0	2.35	130.76	310.43	470.15	590.84	667.91	693.16	674.91	603.94	488.32	331.56	151.53
B0.0	2.35	135.19	321.17	483.31	609.03	685.65	713.72	692.65	621.99	501.30	341.88	155.92
B15.0	2.35	127.21	305.09	459.50	582.41	654.26	683.83	661.37	595.59	477.67	326.16	147.94
B30.0	2.35	108.06	263.40	399.82	511.68	574.64	603.52	581.84	525.07	418.51	284.87	128.32
B45.0	2.35	80.24	199.41	307.44	399.68	449.81	475.14	457.07	413.36	326.62	220.86	99.27
B60.0	2.35	48.35	121.88	190.45	254.35	287.25	307.45	294.70	268.44	209.66	142.31	65.31
B75.0	2.35	19.01	48.50	72.75	97.63	106.82	118.71	113.38	109.80	88.15	64.11	32.12
B90.0	2.35	2.09	2.09	2.07	2.08	2.05	2.01	2.00	1.99	1.99	1.99	1.98

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