IES Flood Report
Photometric Filename: HCP-3355194.IES

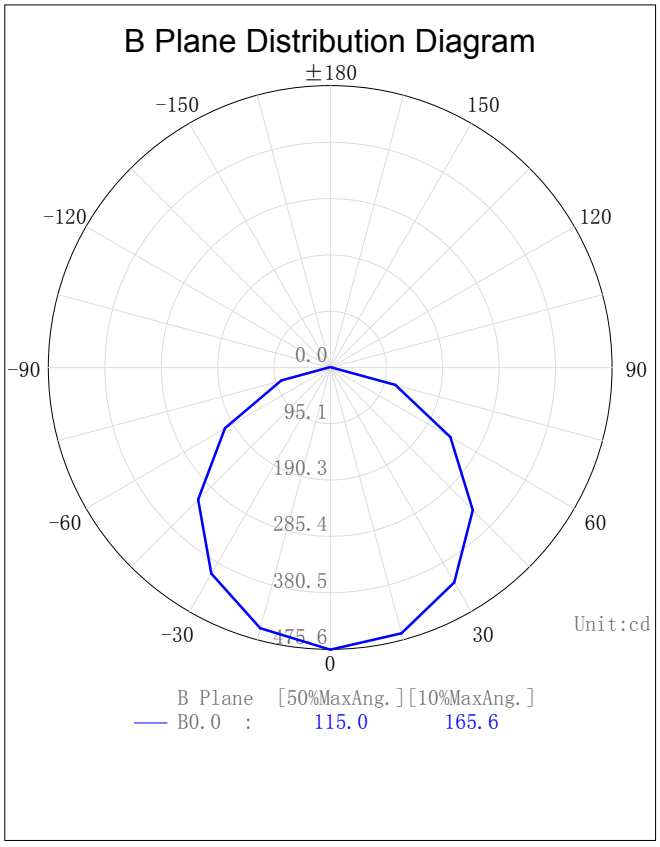
Flood Luminaire Photometric Data

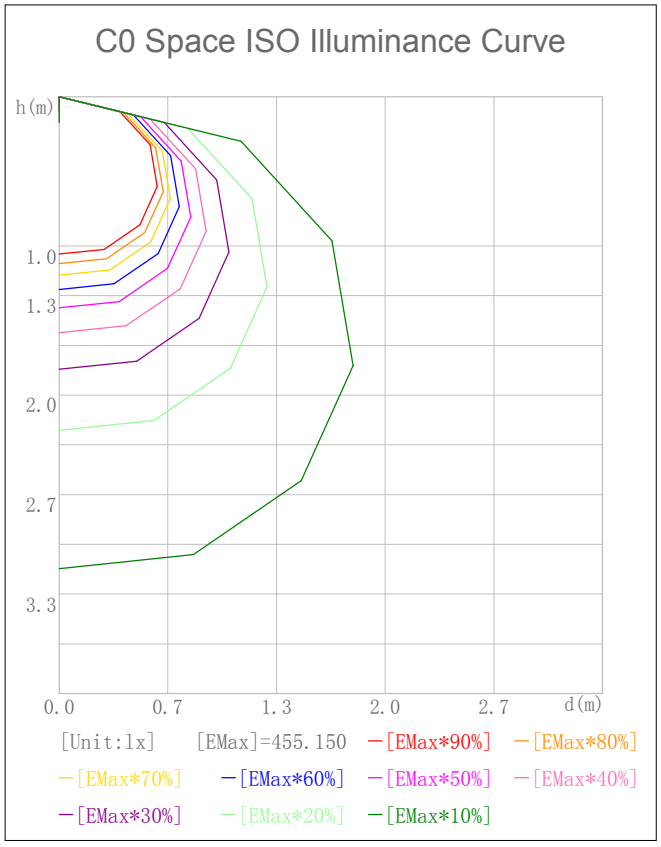
Description Information

Luminary Name: HCP-3355194		Lum. Catelog:	Test ID:
Lamp Name: 2110 4000K		Lamp Catelog:	Test Date: 2019/7/02
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):	1362.700	Luminary Flux(lm):	1392.133	Beam Lumens(lm):	1010.91
Rated Power(W):		Luminary Efficiency:	102.16%	Beam Efficiency(%):	72.62
Rated Voltage(V):		Luminary EER(lm/W):	72.507	Field Lumens(lm):	1361.61
Tested Power(W):	19.200	Max.Candela(cd):	475.649	Field Efficiency(%):	97.81
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	1082.771lm
Tested Electrics(V,A,pf):24.0,0.8,0.000		Beam Angle(50%)(V,H):	114.4(°),115.0(°	IRF(%):	107.779
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	165.3(°),165.6(°)		





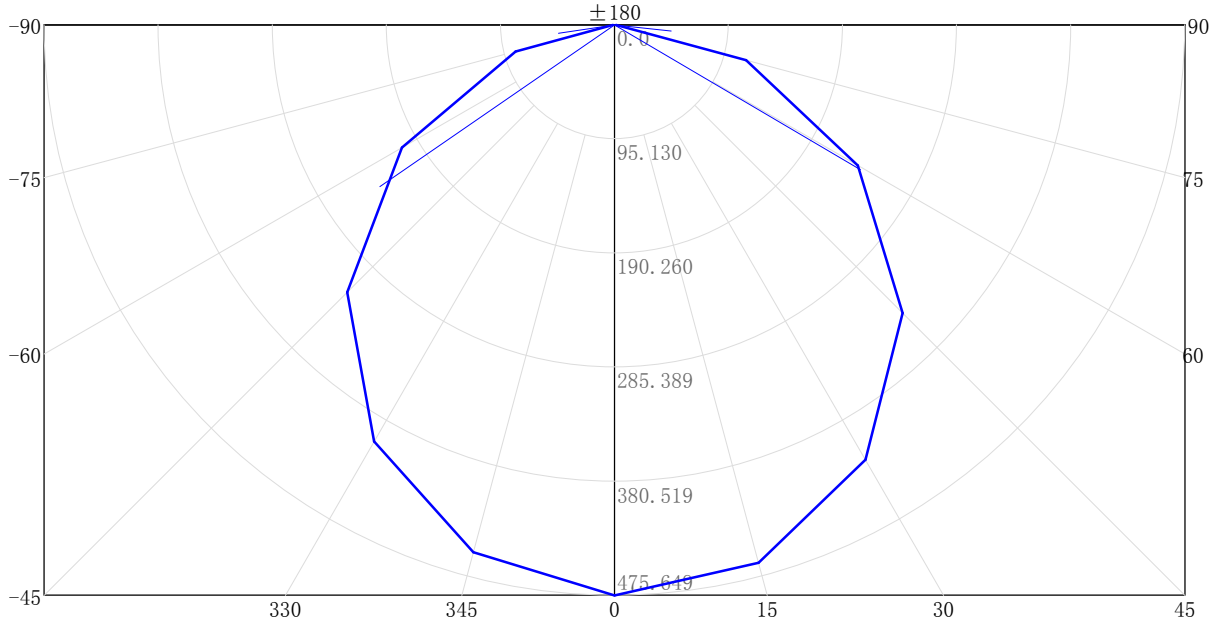
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

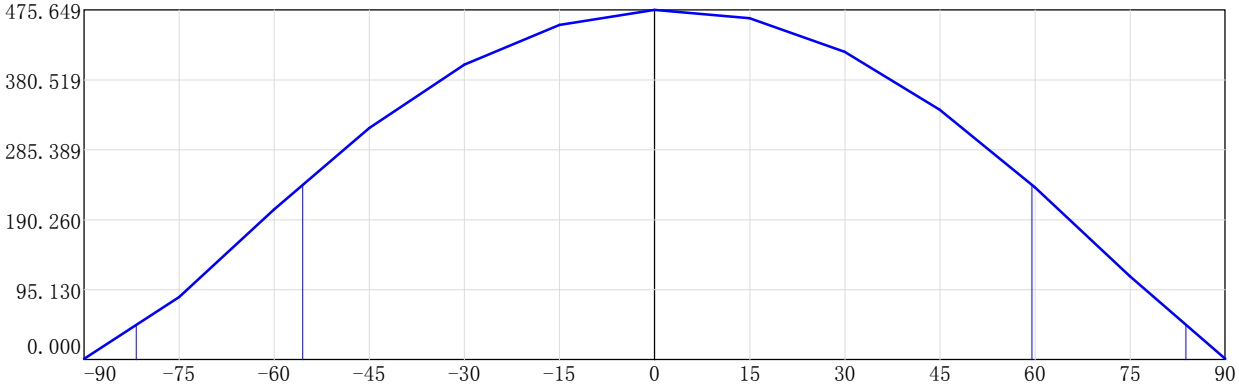
IES Flood Report
Photometric Filename: HCP-3355194.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355194	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/02

B Plane Distribution Diagram





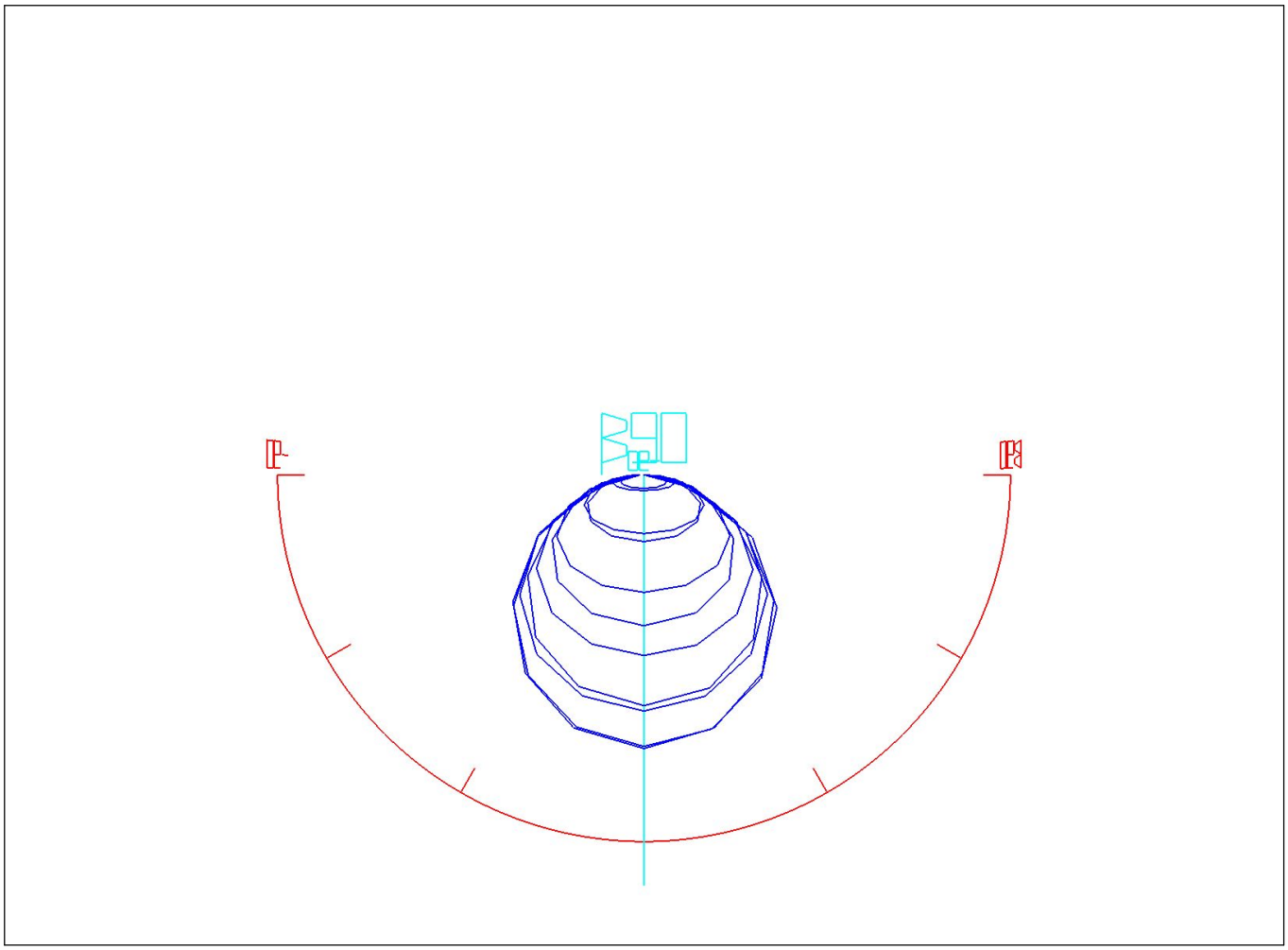
B Plane [50%MaxAng.] [10%MaxAng.] Unit:cd
B0.0 : 115.0 165.6

IES Flood Report
Photometric Filename: HCP-3355194.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355194	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/02

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-3355194.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	0.52	1.29	2.12	2.90	3.38	3.53	3.31	2.66	1.79	0.82	0.12	
B-75.0	0.14	1.19	3.36	6.08	8.69	10.31	10.58	9.40	7.01	4.20	1.71	0.22	
B-60.0	0.22	2.02	5.86	10.73	15.23	17.94	18.23	16.01	11.78	6.86	2.65	0.32	
B-45.0	0.29	2.81	8.11	14.74	20.69	24.24	24.53	21.50	15.83	9.18	3.50	0.40	
B-30.0	0.35	3.40	9.75	17.58	24.53	28.65	28.95	25.35	18.69	10.86	4.13	0.47	
B-15.0	0.38	3.71	10.60	19.05	26.52	30.94	31.24	27.35	20.18	11.73	4.46	0.50	
B0.0	0.38	3.71	10.59	19.06	26.55	31.00	31.31	27.40	20.21	11.73	4.47	0.50	
B15.0	0.35	3.39	9.72	17.60	24.61	28.79	29.10	25.46	18.76	10.85	4.13	0.47	
B30.0	0.28	2.79	8.05	14.73	20.75	24.37	24.69	21.58	15.87	9.15	3.50	0.40	
B45.0	0.21	2.00	5.75	10.65	15.16	17.95	18.25	15.98	11.74	6.77	2.64	0.31	
B60.0	0.12	1.14	3.19	5.91	8.44	10.08	10.35	9.17	6.85	4.06	1.67	0.21	
B75.0	0.05	0.37	0.98	1.77	2.49	2.99	3.11	2.82	2.19	1.36	0.61	0.08	
B90.0													
Total	2.82	27.05	77.24	140.01	196.57	230.62	233.88	205.34	151.78	88.53	34.30	3.99	

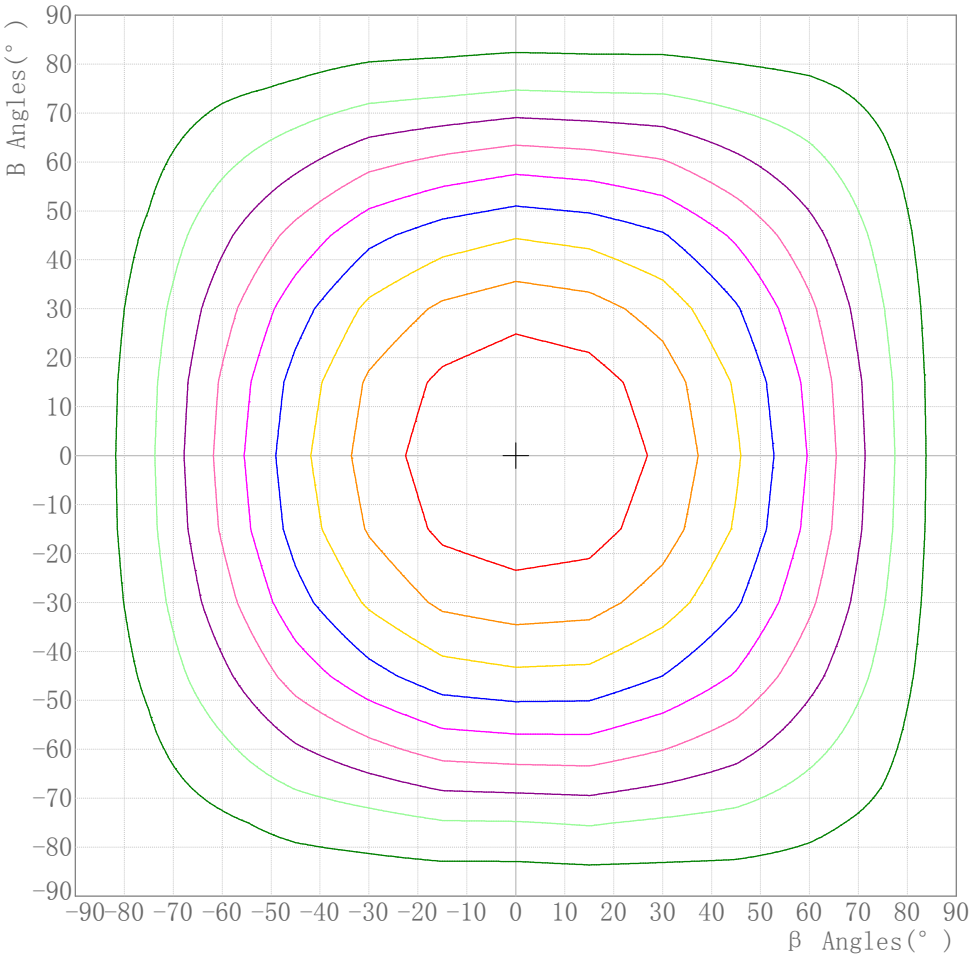
	β 90.0	Total
B-90.0		22.52
B-75.0		62.87
B-60.0		107.85
B-45.0		145.83
B-30.0		172.71
B-15.0		186.67
B0.0		186.91
B15.0		173.23
B30.0		146.17
B45.0		107.39
B60.0		61.19
B75.0		18.81
B90.0		
Total		1392.13

IES Flood Report
Photometric Filename: HCP-3355194.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355194	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/02

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =475.649
[IMax*90%]=428.084
[IMax*80%]=380.519
[IMax*70%]=332.954
[IMax*60%]=285.389
[IMax*50%]=237.824
[IMax*40%]=190.260
[IMax*30%]=142.695
[IMax*20%]=95.130
[IMax*10%]=47.565

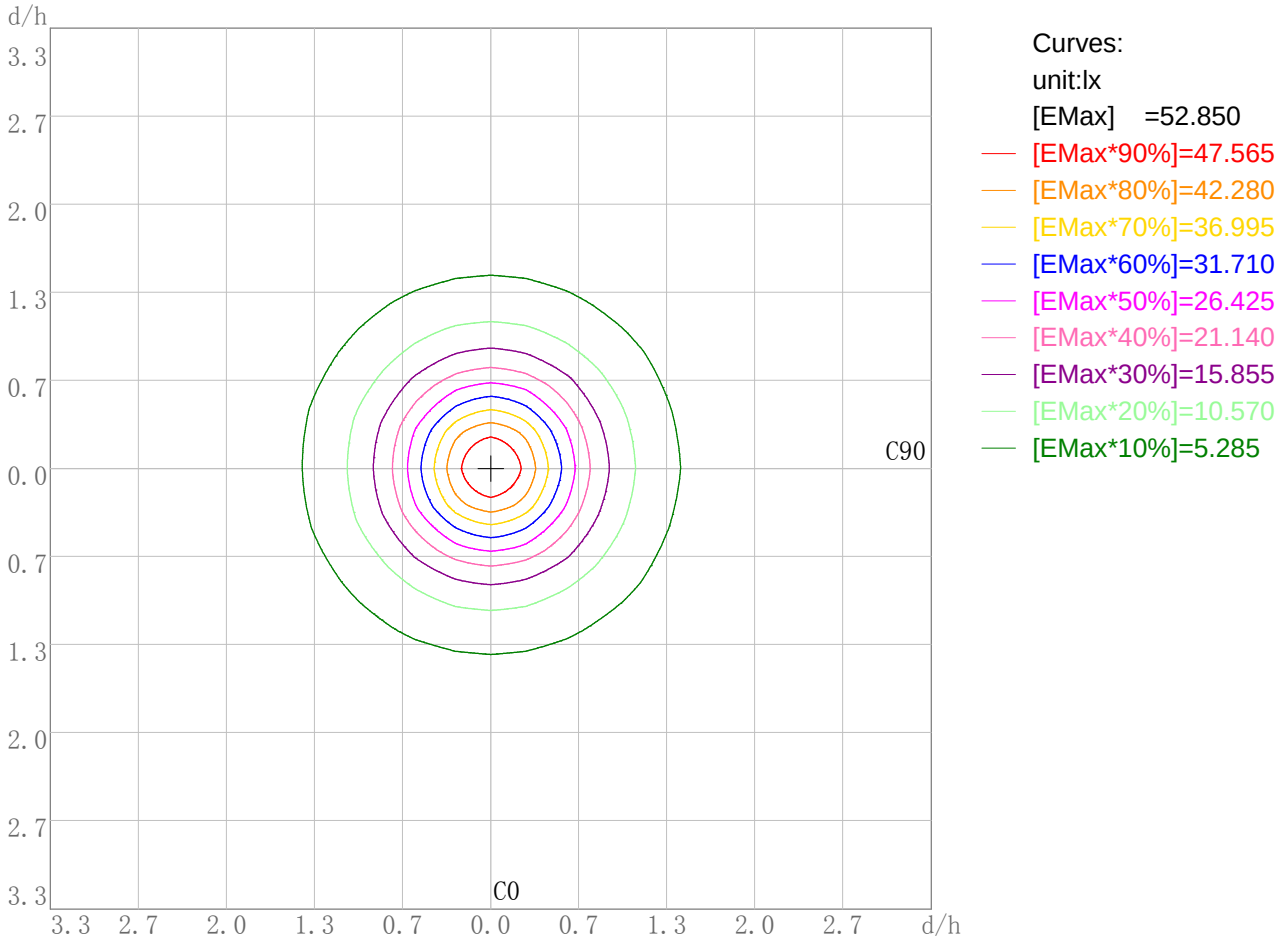
Maximum Light Intensity(cd): 475.65
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355194.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355194	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/02

Plane ISO-Illuminance Curve



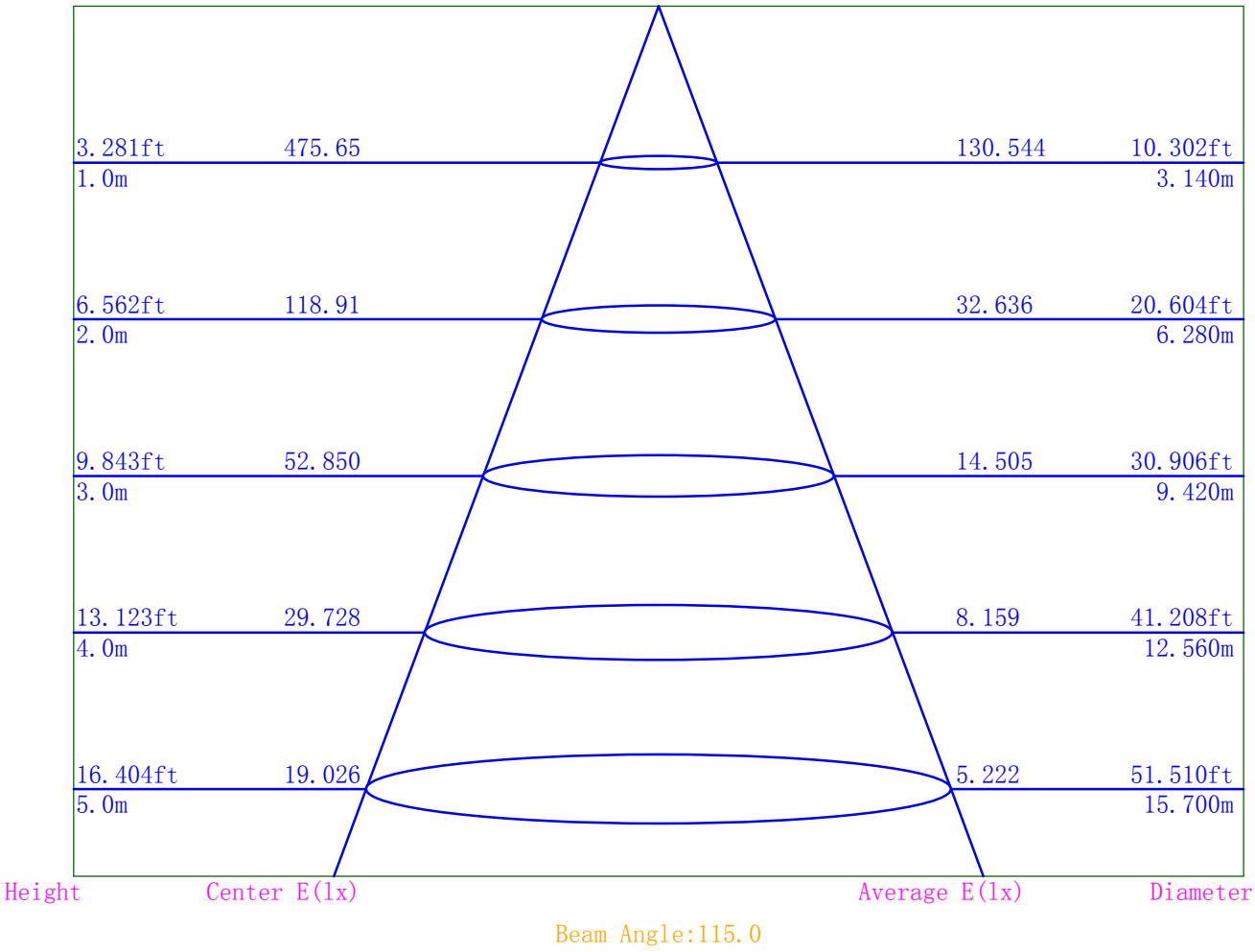
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 52.85
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355194.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355194	Lum.Catelog:	Test ID:
Lamp Name: 2110 4000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/7/02

Illuminance-Distance Curve



Beam Angle:115.0

IES Flood Report
Photometric Filename: HCP-3355194.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	1.46	7.51	11.79	11.02	9.56	7.85	6.83	9.59	13.19	16.62	18.64	13.31
B-75.0	1.46	20.00	40.17	61.09	75.01	91.60	92.99	98.92	88.13	78.56	58.38	35.75
B-60.0	1.46	37.67	84.63	136.68	175.44	208.56	215.36	217.10	191.52	158.63	108.39	58.54
B-45.0	1.46	55.99	131.30	210.35	268.76	311.93	323.33	320.61	285.33	233.78	158.25	80.42
B-30.0	1.46	71.51	170.23	267.83	340.26	390.02	405.47	398.95	357.17	291.69	199.03	97.99
B-15.0	1.46	81.96	195.75	303.58	385.14	438.59	457.01	447.64	402.34	327.96	225.19	109.67
B0.0	1.46	85.25	204.66	315.19	401.10	455.15	475.65	464.18	418.67	339.87	234.39	113.54
B15.0	1.46	81.26	196.23	302.32	387.44	438.53	460.52	447.89	405.08	327.33	225.93	109.16
B30.0	1.46	70.52	170.91	265.12	343.70	389.39	411.04	398.68	361.13	290.17	199.81	97.21
B45.0	1.46	54.18	131.79	205.98	272.23	309.07	329.31	318.21	289.39	230.23	159.12	78.89
B60.0	1.46	35.27	84.28	130.40	177.35	201.84	219.29	210.63	193.94	152.62	108.65	56.52
B75.0	1.46	16.25	38.13	54.07	73.95	81.46	92.48	88.76	87.46	71.44	57.43	33.29
B90.0	1.46	1.24	1.19	1.18	1.15	1.17	1.16	1.13	1.19	1.18	1.17	1.15

V/H	β 90.0
B-90.0	1.36
B-75.0	1.36
B-60.0	1.36
B-45.0	1.36
B-30.0	1.36
B-15.0	1.36
B0.0	1.36
B15.0	1.36
B30.0	1.36
B45.0	1.36
B60.0	1.36
B75.0	1.36
B90.0	1.36