IES Flood Report
Photometric Filename: HCP-3663143.IES

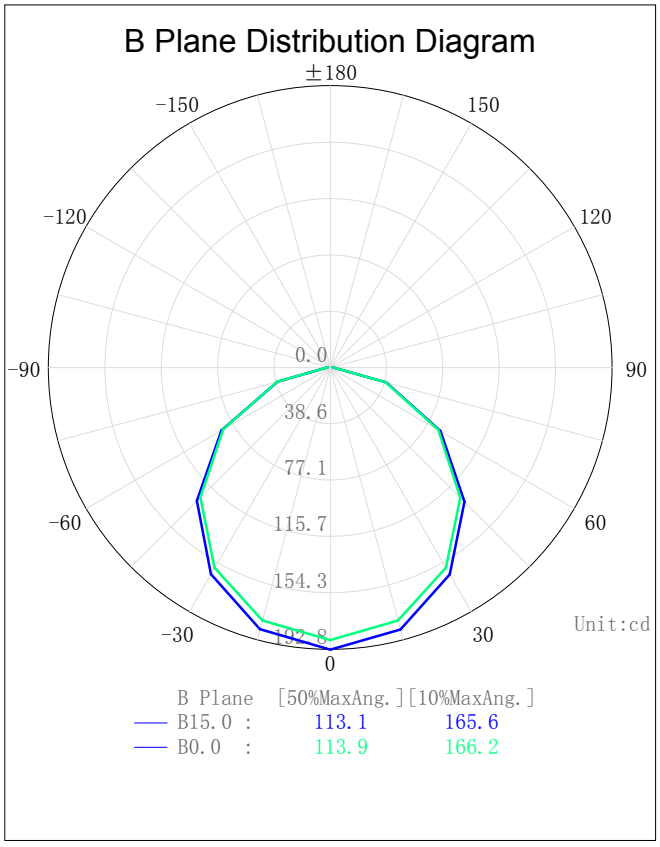
Flood Luminaire Photometric Data

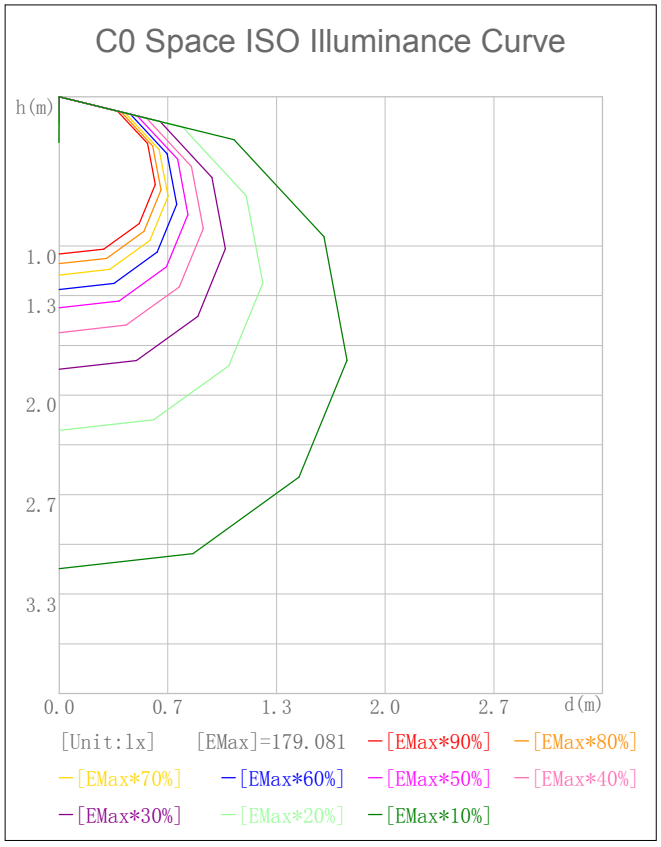
Description Information

Luminary Name: HCP-3663143		Lum. Catelog:	Test ID:
Lamp Name: 2835 3000K		Lamp Catelog:	Test Date: 2019/06/28
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.008m*1.000m*0.010m		Lum.Area(m2):0.018	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):	1114.300	Luminary Flux(lm):	766.843	Beam Lumens(lm):	638.40
Rated Power(W):		Luminary Efficiency:	68.82%	Beam Efficiency(%):	83.25
Rated Voltage(V):		Luminary EER(lm/W):	55.288	Field Lumens(lm):	764.61
Tested Power(W):	13.870	Max.Candela(cd):	192.837	Field Efficiency(%):	99.71
Lamps' Inside:	1	Max Cand@Ang.(°):	B=15.0 β=0.0	ErP Φuse(120°):	501.625lm
Tested Electrics(V,A,pf):24.0,0.587,0.000		Beam Angle(50%)(V,H):	170.4(°),113.1(°)	IRF(%):	91.122
Lamp Size(W*L*H):0.008m*1.000m*0.010m		Field Angle(10%)(V,H):	180.0(°),165.6(°)		





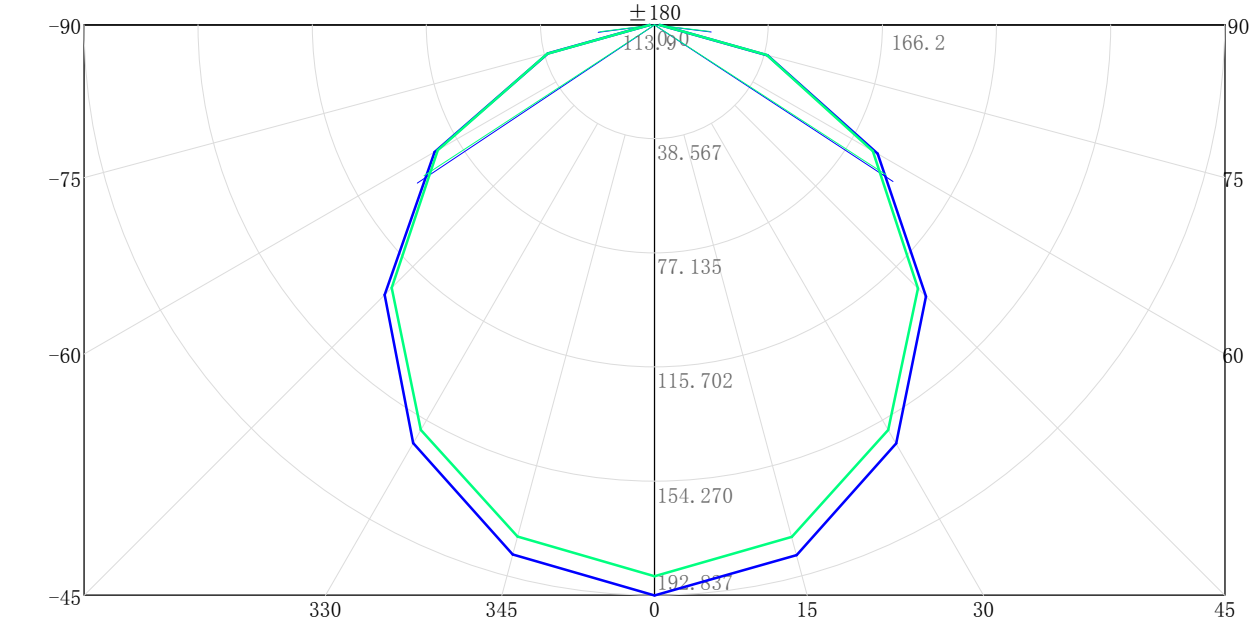
HAVIT COMMERCIAL
133 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

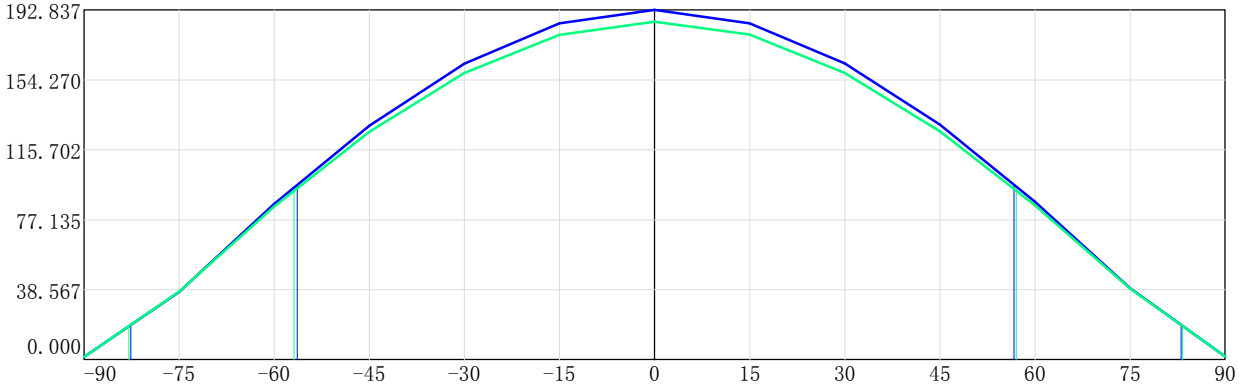
IES Flood Report
Photometric Filename: HCP-3663143.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

B Plane Distribution Diagram





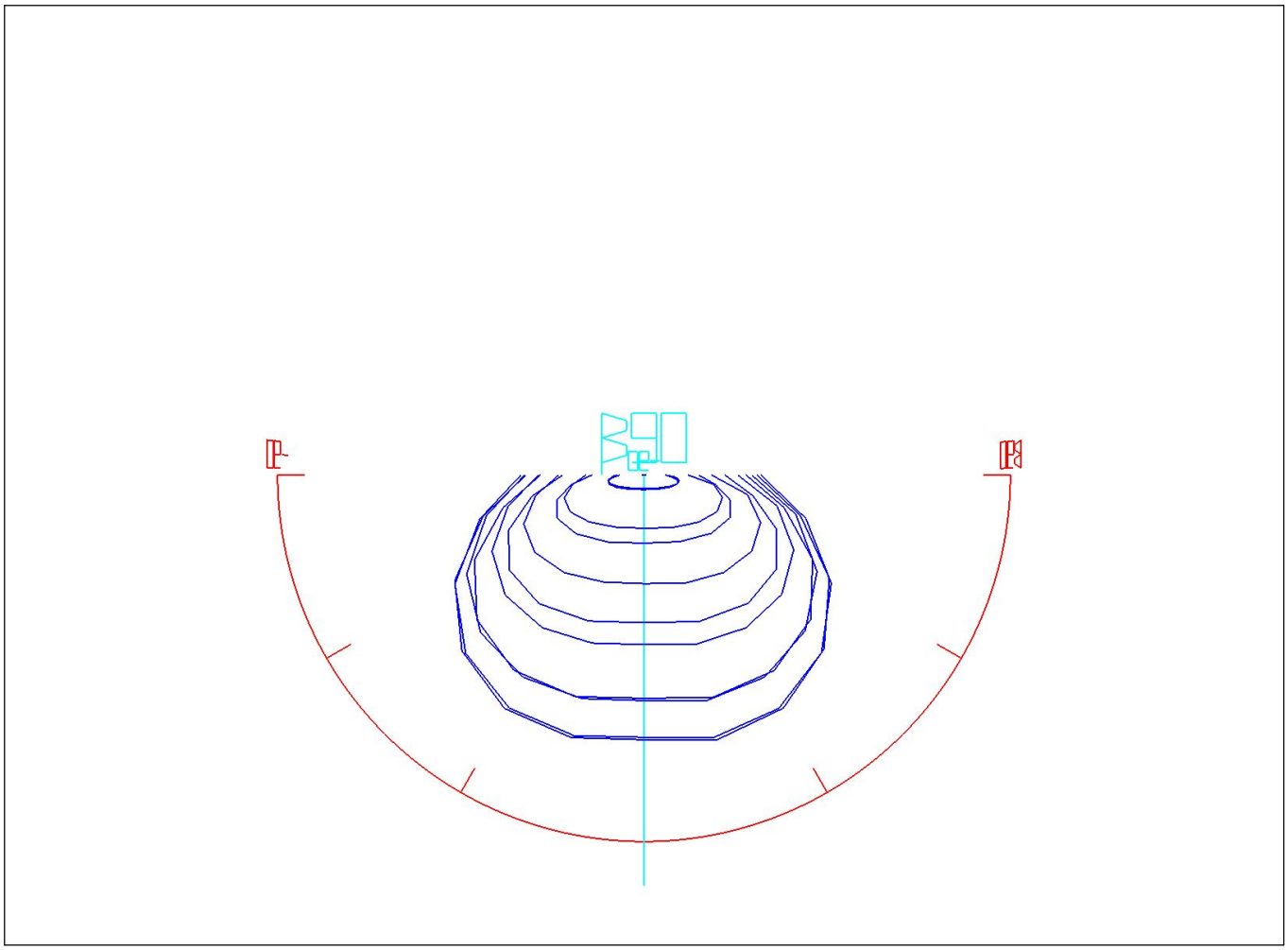
B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
B15.0 :	113.1	165.6	

IES Flood Report
Photometric Filename: HCP-3663143.IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

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-3663143.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	0.10	0.84	2.37	4.24	5.93	6.93	6.96	6.00	4.33	2.47	0.91	0.11	
B-75.0	0.12	1.12	3.17	5.65	7.88	9.19	9.21	7.93	5.70	3.21	1.16	0.13	
B-60.0	0.15	1.37	3.88	6.89	9.57	11.13	11.14	9.59	6.92	3.91	1.41	0.15	
B-45.0	0.17	1.55	4.32	7.65	10.60	12.32	12.32	10.60	7.65	4.33	1.57	0.17	
B-30.0	0.17	1.61	4.47	7.90	10.94	12.72	12.71	10.92	7.87	4.46	1.63	0.18	
B-15.0	0.18	1.61	4.42	7.80	10.79	12.55	12.55	10.78	7.78	4.43	1.64	0.18	
B0.0	0.17	1.60	4.42	7.81	10.82	12.60	12.60	10.83	7.82	4.45	1.64	0.18	
B15.0	0.17	1.60	4.46	7.90	10.97	12.76	12.77	10.97	7.92	4.49	1.64	0.18	
B30.0	0.16	1.52	4.29	7.62	10.57	12.28	12.27	10.55	7.61	4.31	1.57	0.17	
B45.0	0.14	1.35	3.82	6.83	9.48	11.01	11.00	9.45	6.80	3.83	1.39	0.15	
B60.0	0.11	1.08	3.10	5.57	7.76	9.03	9.02	7.73	5.55	3.11	1.13	0.13	
B75.0	0.09	0.82	2.35	4.19	5.79	6.71	6.64	5.63	3.97	2.18	0.80	0.09	
B90.0													
Total	1.72	16.07	45.06	80.05	111.12	129.24	129.19	110.96	79.94	45.18	16.48	1.83	

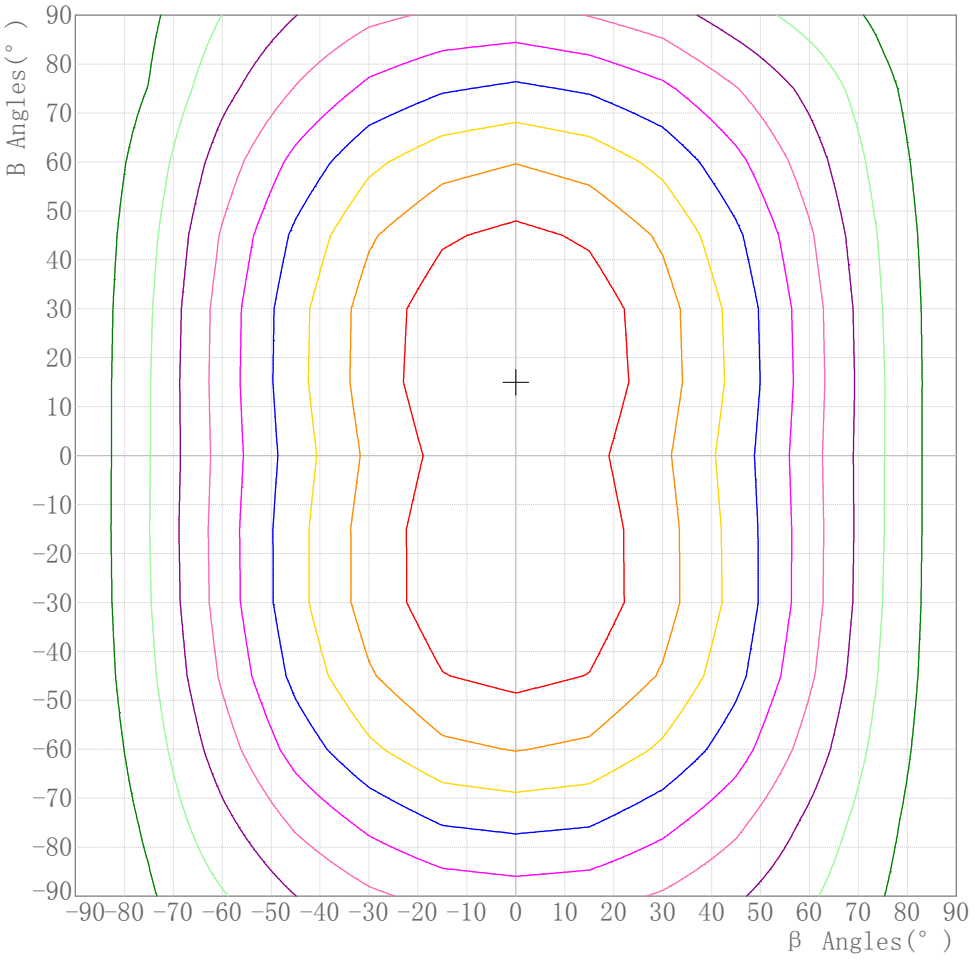
	β 90.0	Total
B-90.0		41.17
B-75.0		54.48
B-60.0		66.10
B-45.0		73.25
B-30.0		75.61
B-15.0		74.71
B0.0		74.96
B15.0		75.83
B30.0		72.91
B45.0		65.25
B60.0		53.33
B75.0		39.24
B90.0		
Total		766.84

IES Flood Report
Photometric Filename: HCP-3663143.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =192.837
[IMax*90%]=173.553
[IMax*80%]=154.270
[IMax*70%]=134.986
[IMax*60%]=115.702
[IMax*50%]=96.419
[IMax*40%]=77.135
[IMax*30%]=57.851
[IMax*20%]=38.567
[IMax*10%]=19.284

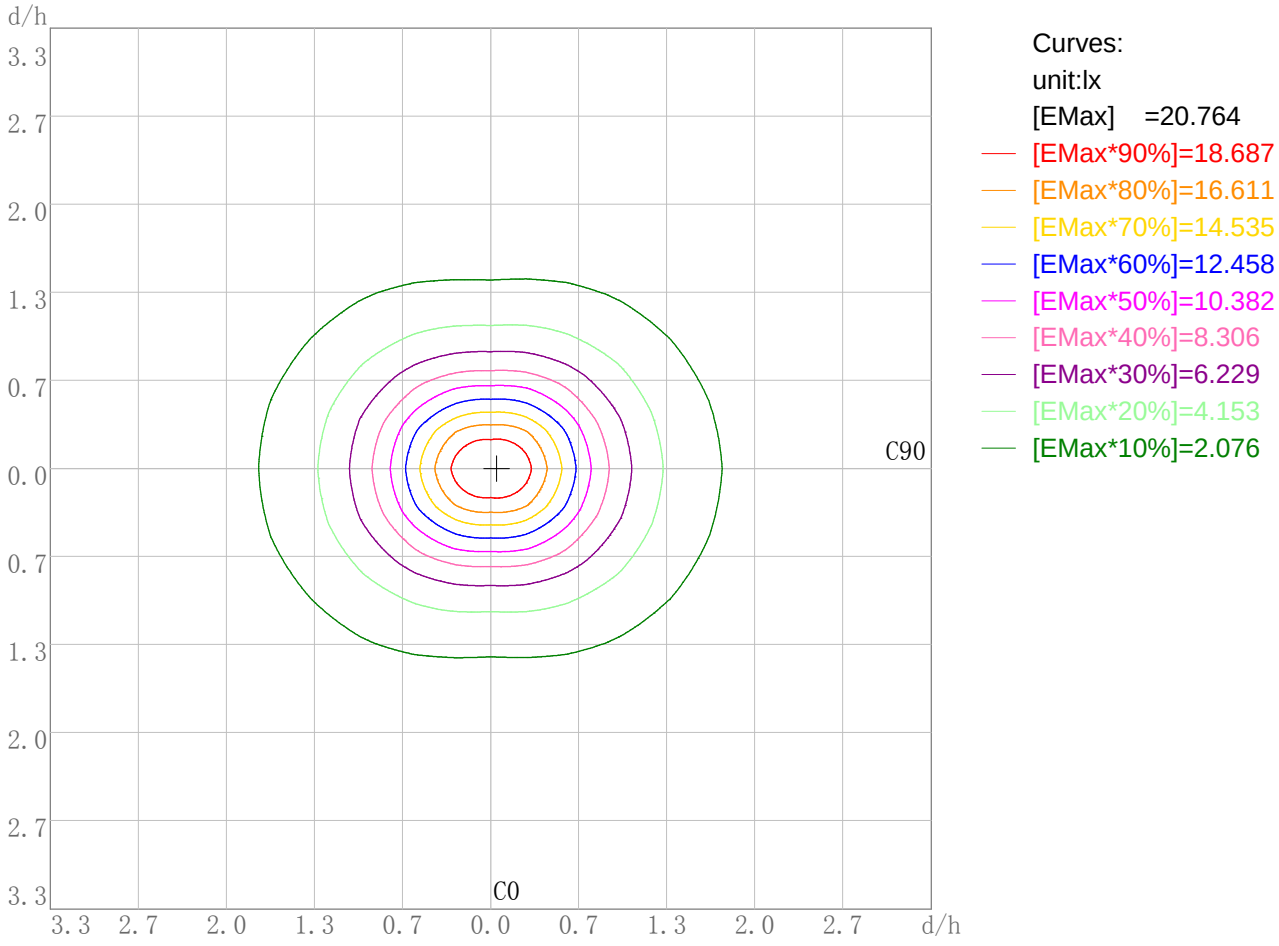
Maximum Light Intensity(cd): 192.84
Maximum Cand.@Angle: H=0.0°,V=15.0°

IES Flood Report
Photometric Filename: HCP-3663143.IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

Plane ISO-Illuminance Curve



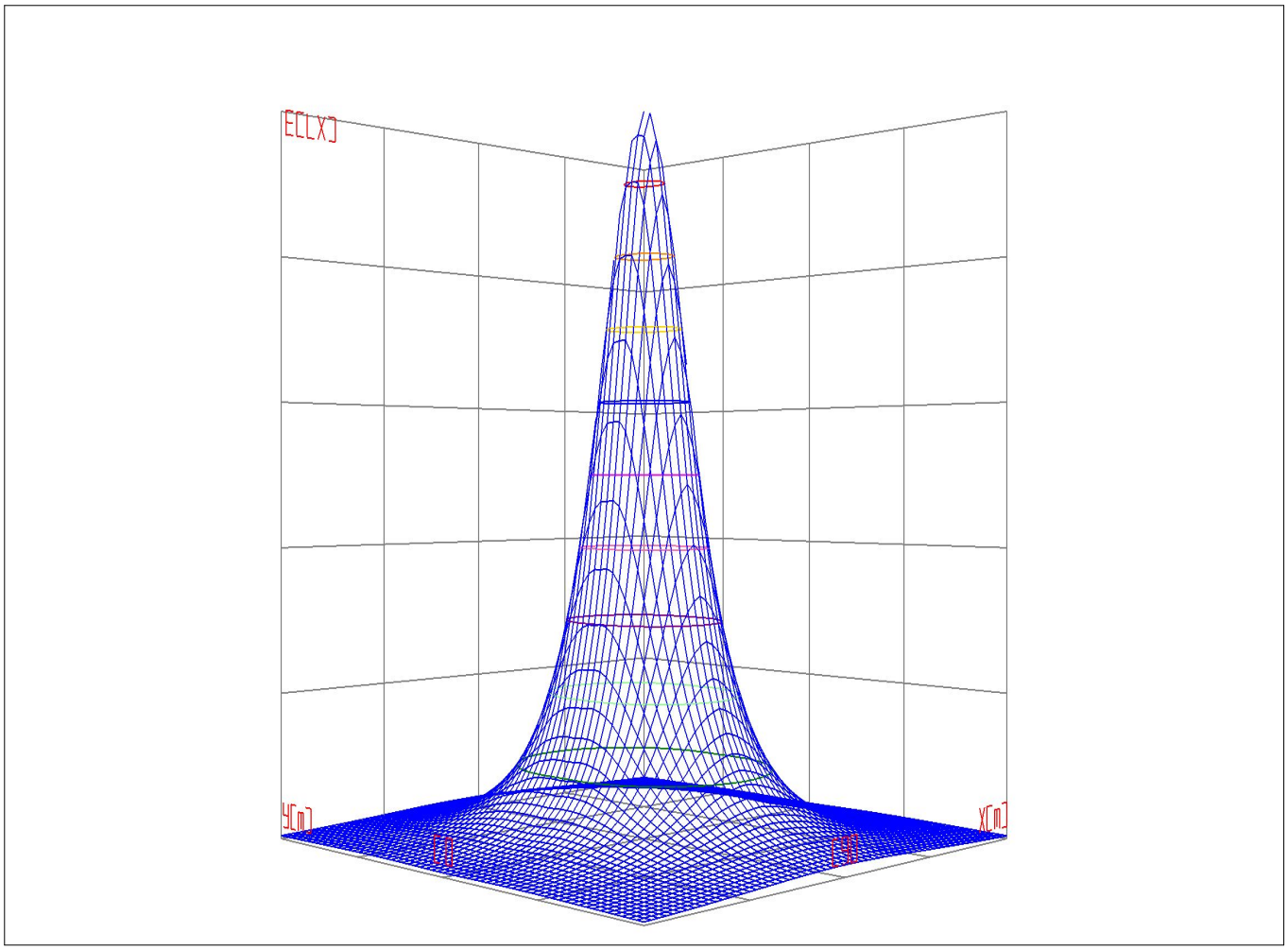
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 20.76
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3663143.IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

3D Plane Illuminance Modal



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

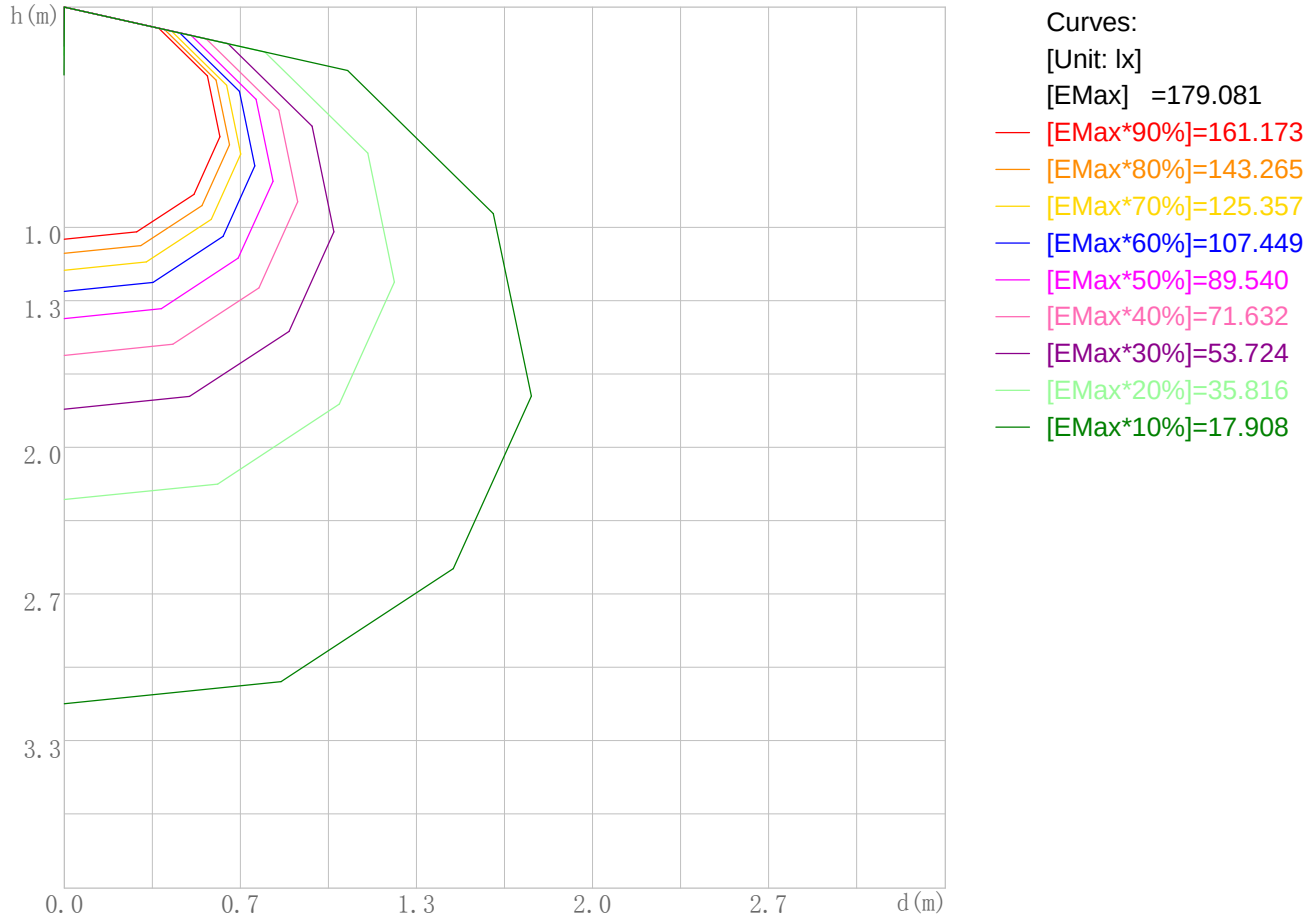
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3663143.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

Space ISO Illuminance Curve



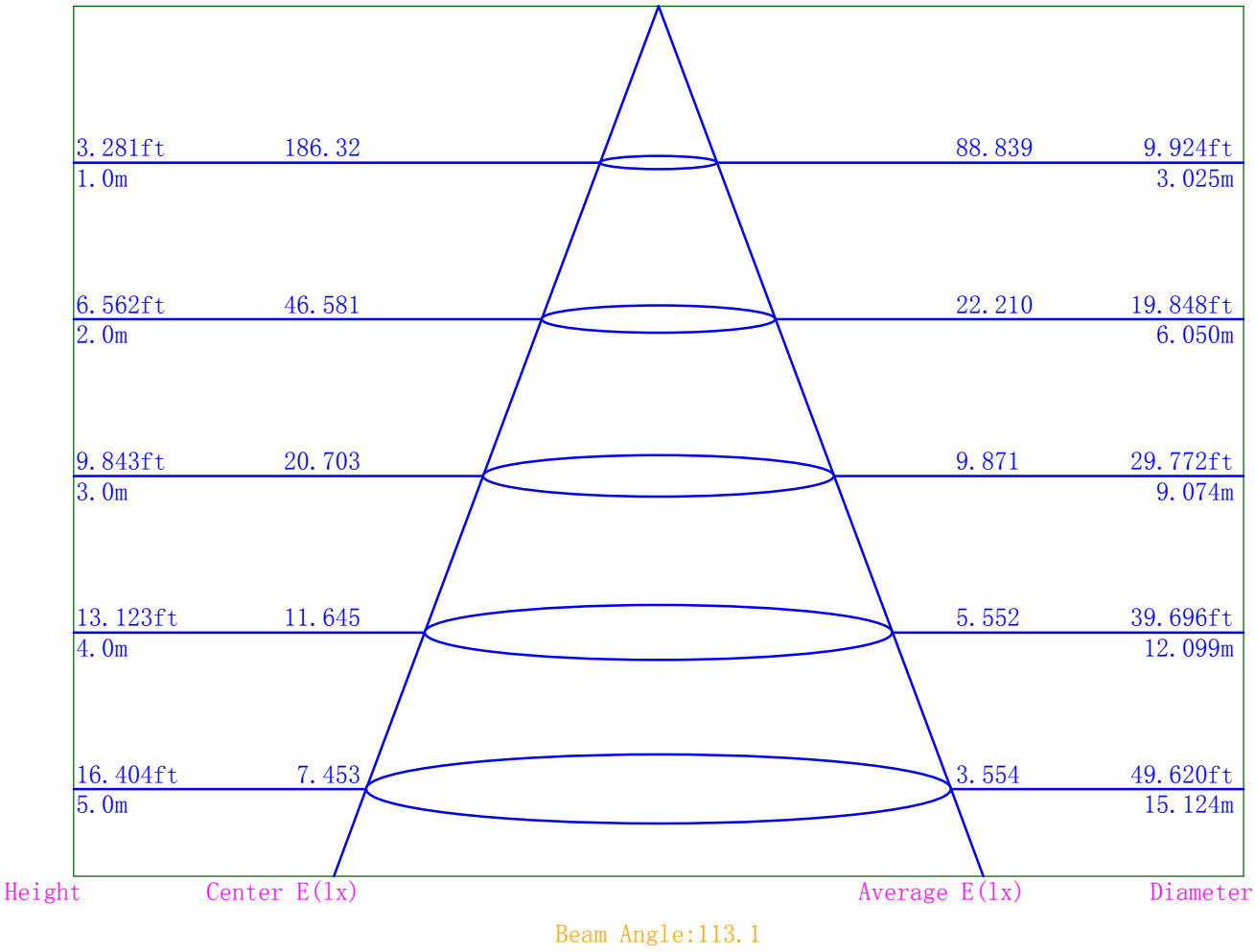
Space Plane Maximum Illuminance and @Angle:179.08lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:186.324cd,0eg

IES Flood Report
Photometric Filename: HCP-3663143.IES

Illuminance-Distance Diagram

Lum.Name: HCP-3663143	Lum.Catelog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/06/28

Illuminance-Distance Curve



Beam Angle:113.1

IES Flood Report
Photometric Filename: HCP-3663143.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	1.66	17.05	36.92	57.69	73.46	83.88	87.45	84.80	75.02	60.63	41.29	19.69
B-75.0	1.66	22.26	52.49	80.33	101.36	116.93	120.78	117.60	102.36	81.71	53.58	24.33
B-60.0	1.66	28.26	67.84	104.10	131.16	149.97	155.11	150.36	131.79	104.97	68.82	30.29
B-45.0	1.66	33.83	79.78	121.01	152.24	172.89	179.15	173.05	152.36	121.34	80.42	35.38
B-30.0	1.66	36.96	85.72	128.87	162.45	184.08	191.25	183.97	162.12	128.64	85.91	38.36
B-15.0	1.66	37.94	86.32	128.78	162.68	184.00	191.64	183.70	161.99	128.19	86.31	39.31
B0.0	1.66	37.52	84.55	125.60	158.08	179.08	186.32	179.19	158.10	125.89	85.24	39.37
B15.0	1.66	37.33	85.89	129.05	163.13	185.34	192.84	185.51	163.36	129.71	87.08	39.58
B30.0	1.66	36.05	85.10	128.38	162.56	183.85	191.45	183.80	162.33	128.63	86.12	38.47
B45.0	1.66	32.66	79.01	119.54	151.87	171.11	178.40	170.80	151.28	119.43	79.75	35.11
B60.0	1.66	27.18	66.94	101.91	130.51	147.04	153.62	146.59	129.69	101.61	67.58	29.68
B75.0	1.66	19.70	51.57	78.05	100.67	113.52	119.03	113.11	100.11	77.95	52.30	23.68
B90.0	1.66	15.47	38.70	57.49	72.53	80.30	83.05	76.56	66.59	47.97	31.08	15.05

V/H	β 90.0
B-90.0	1.69
B-75.0	1.69
B-60.0	1.69
B-45.0	1.69
B-30.0	1.69
B-15.0	1.69
B0.0	1.69
B15.0	1.69
B30.0	1.69
B45.0	1.69
B60.0	1.69
B75.0	1.69
B90.0	1.69