

IES Flood Report

Photometric Filename: HCP-3763143 .IES

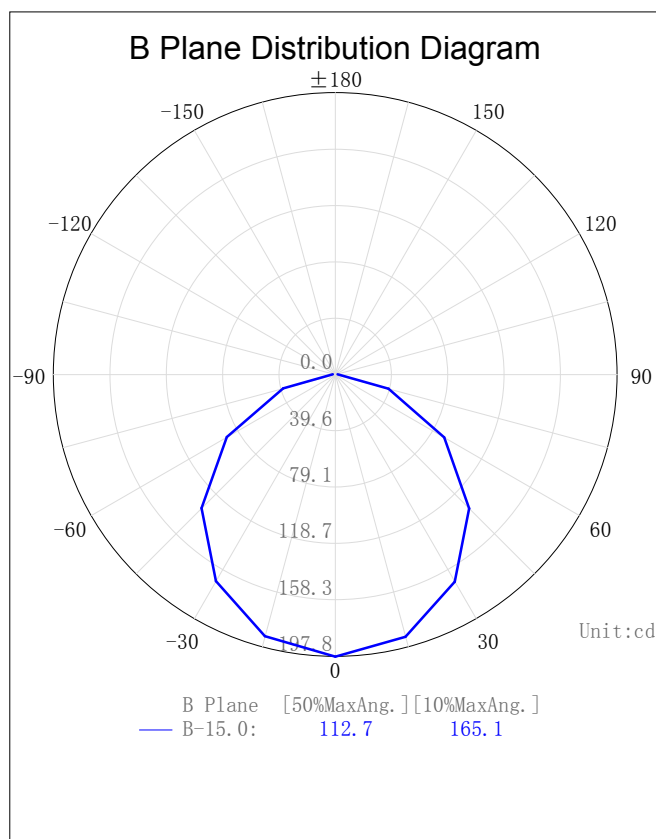
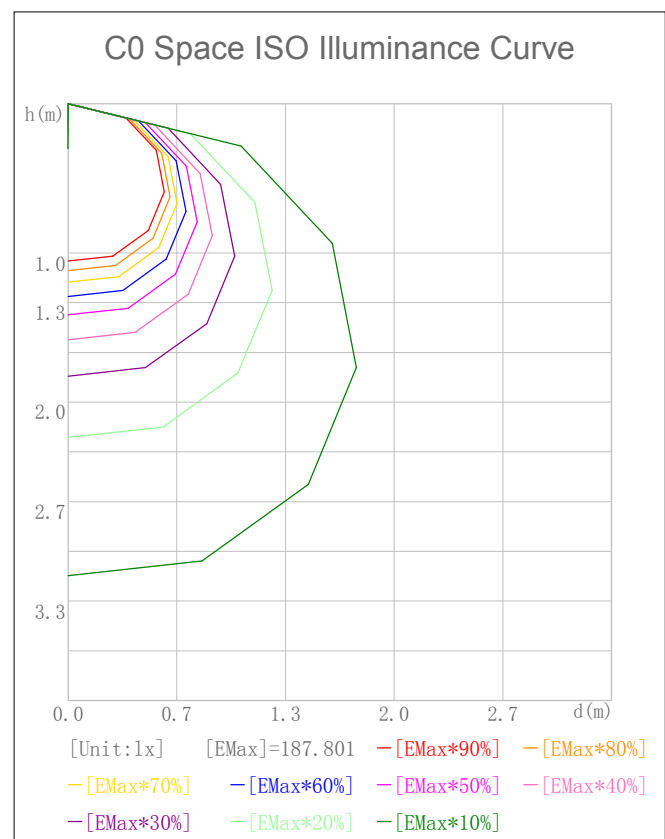
Flood Luminaire Photometric Data

Description Information

Luminary Name: HCP-3763143	Lum. Catalog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catalog:	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. (°C):
		Humidity (%):

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1137.400	Luminary Flux(lm): 799.374	Beam Lumens(lm): 693.88
Rated Power(W):	Luminary Efficiency: 70.28%	Beam Efficiency(%): 86.80
Rated Voltage(V):	Luminary EER(lm/W): 57.926	Field Lumens(lm): 797.20
Tested Power(W): 13.800	Max. Candela(cd): 197.815	Field Efficiency(%): 99.73
Lamps' Inside: 1	Max Cand@Ang. (°): B=-15.0 β=0.0	ErP Φuse(120°): 506.816lm
Tested Electrics(V, A, pf): 24.0, 0.58, 0.000	Beam Angle(50%) (V, H): 180.0(°), 112.7(°)	IRF(%): 95.509
Lamp Size (W*L*H): 0.008m*1.000m*0.010m	Field Angle(10%) (V, H): 180.0(°), 165.1(°)	



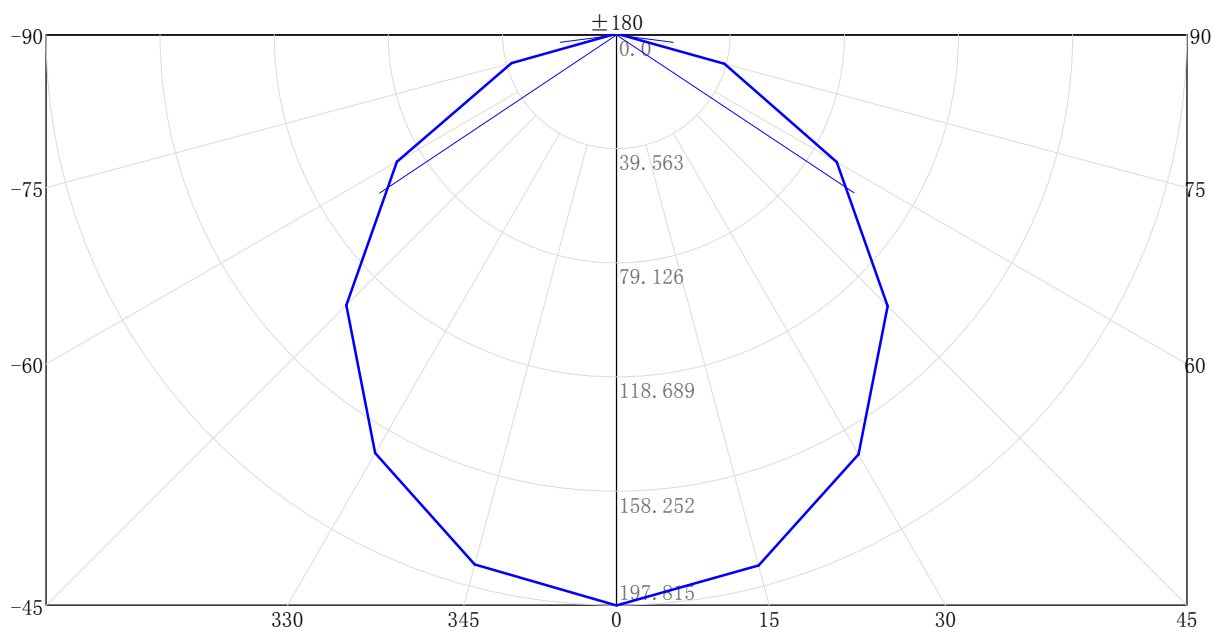
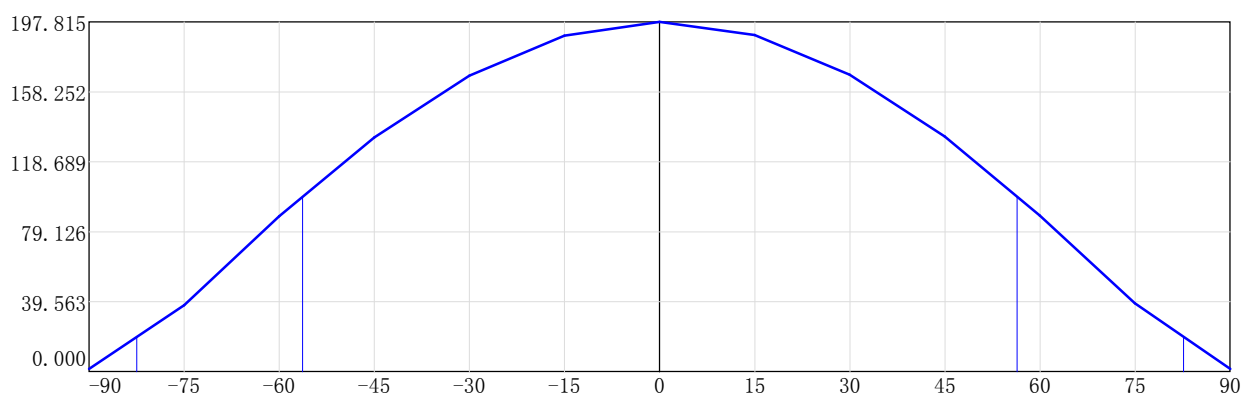
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2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-3763143	Lum. Catalog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catalog:	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

B-15.0:
112.7
165.1

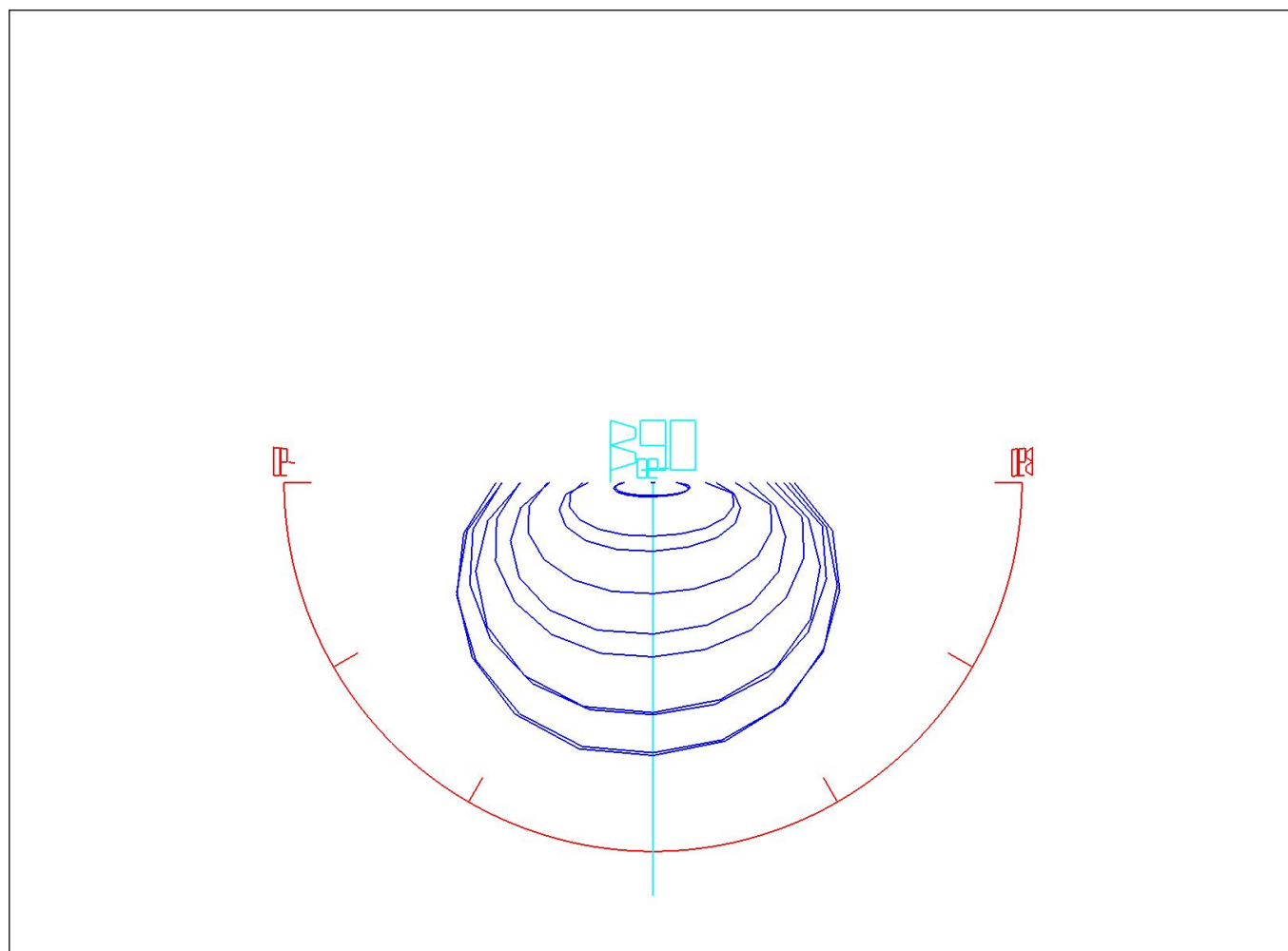
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3D Light Intensity Distribution Modal

Lum. Name: HCP-3763143	Lum. Catalog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catalog:	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

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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													
B-75.0	0.11	1.04	2.93	5.25	7.30	8.50	8.51	7.31	5.27	2.98	1.07	0.12	
B-60.0	0.14	1.29	3.59	6.34	8.77	10.19	10.19	8.76	6.32	3.57	1.29	0.14	
B-45.0	0.16	1.46	4.06	7.16	9.91	11.51	11.51	9.90	7.15	4.05	1.46	0.16	
B-30.0	0.17	1.58	4.39	7.75	10.73	12.47	12.48	10.74	7.76	4.39	1.59	0.17	
B-15.0	0.17	1.63	4.55	8.05	11.17	13.00	13.01	11.19	8.07	4.56	1.65	0.18	
B0.0	0.17	1.63	4.56	8.08	11.22	13.07	13.08	11.25	8.11	4.58	1.65	0.18	
B15.0	0.17	1.60	4.49	7.97	11.07	12.90	12.92	11.11	8.01	4.52	1.64	0.18	
B30.0	0.17	1.56	4.38	7.78	10.80	12.59	12.61	10.85	7.84	4.43	1.61	0.18	
B45.0	0.16	1.49	4.16	7.39	10.26	11.95	11.97	10.31	7.46	4.23	1.54	0.17	
B60.0	0.15	1.37	3.81	6.77	9.39	10.93	10.95	9.44	6.84	3.88	1.42	0.16	
B75.0	0.12	1.18	3.35	5.95	8.25	9.62	9.64	8.31	6.02	3.41	1.25	0.14	
B90.0	0.10	0.95	2.74	4.89	6.77	7.86	7.80	6.64	4.70	2.59	0.93	0.11	
Total	1.80	16.78	47.00	83.38	115.65	134.57	134.64	115.82	83.56	47.19	17.10	1.88	

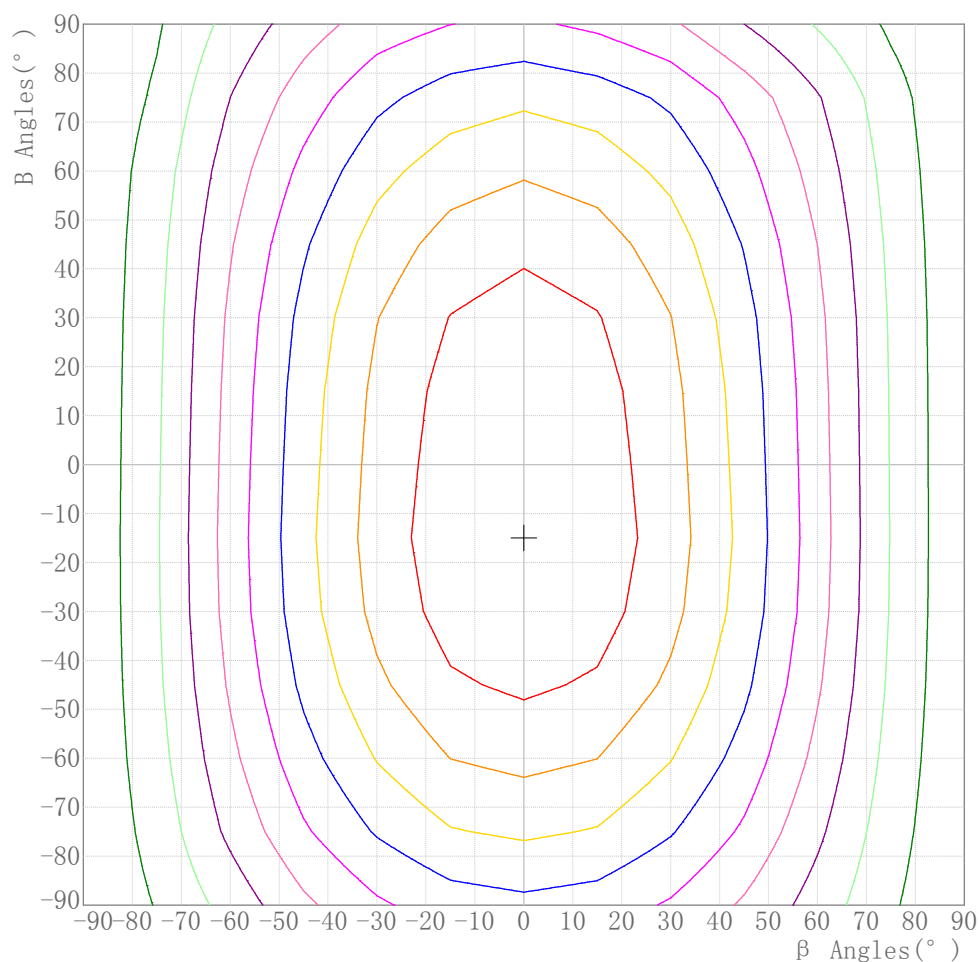
β 90.0	Total
B-90.0	50.41
B-75.0	60.60
B-60.0	68.49
B-45.0	74.21
B-30.0	77.24
B-15.0	77.58
B0.0	76.58
B15.0	74.79
B30.0	71.08
B45.0	65.09
B60.0	57.23
B75.0	46.07
B90.0	
Total	799.37

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Rectangle ISO Lighting Intensity Diagram

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Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =197.815
— [IMax*90%]=178.034
— [IMax*80%]=158.252
— [IMax*70%]=138.471
— [IMax*60%]=118.689
— [IMax*50%]=98.908
— [IMax*40%]=79.126
— [IMax*30%]=59.345
— [IMax*20%]=39.563
— [IMax*10%]=19.782

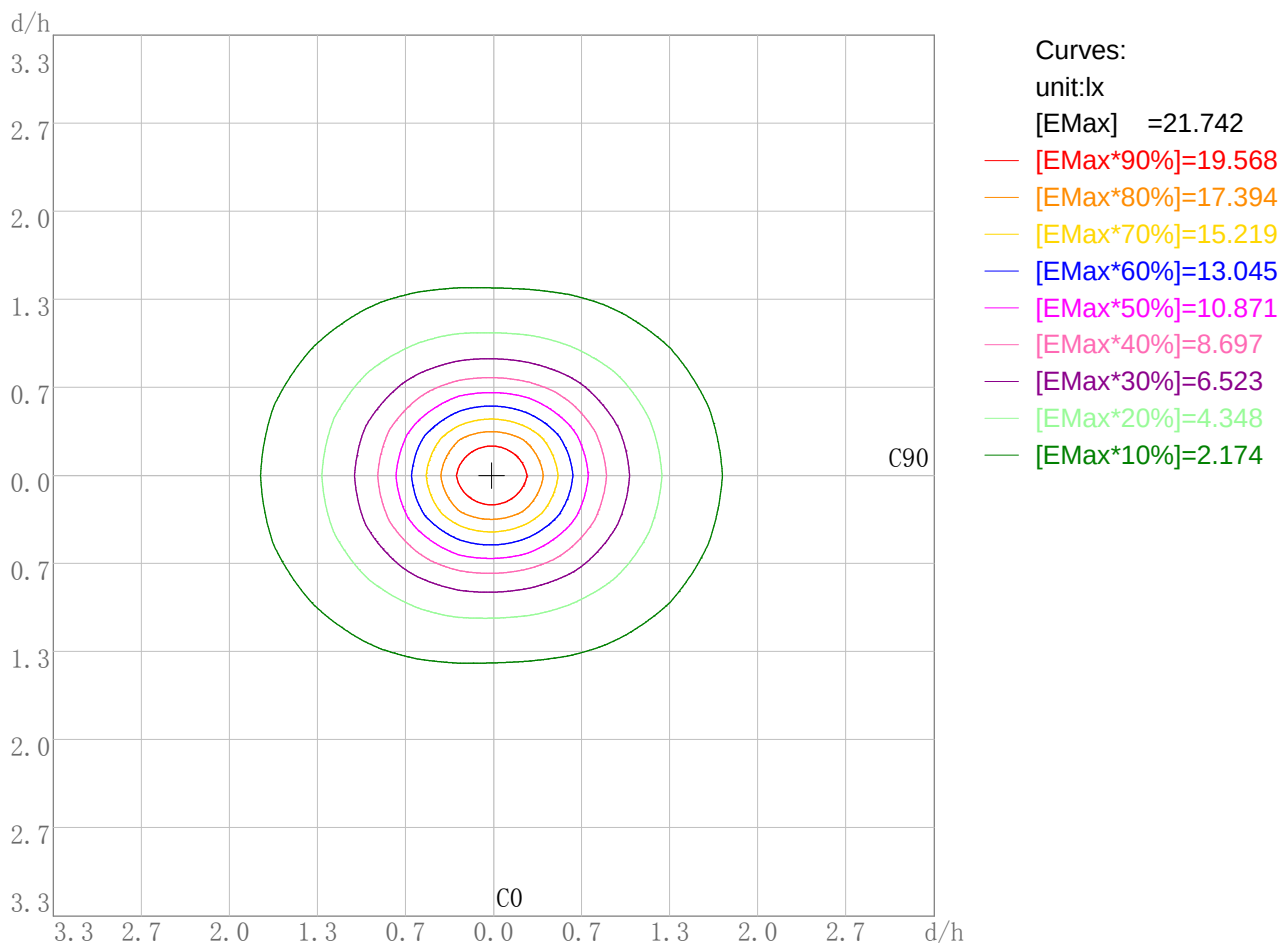
Maximum Light Intensity(cd): 197.82
Maximum Cand.@Angle: H=0.0°,V=-15.0°

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Plane ISO-Illuminance Diagram

Lum. Name: HCP-3763143	Lum. Catalog:	Test ID:
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Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

Plane ISO-Illuminance Curve

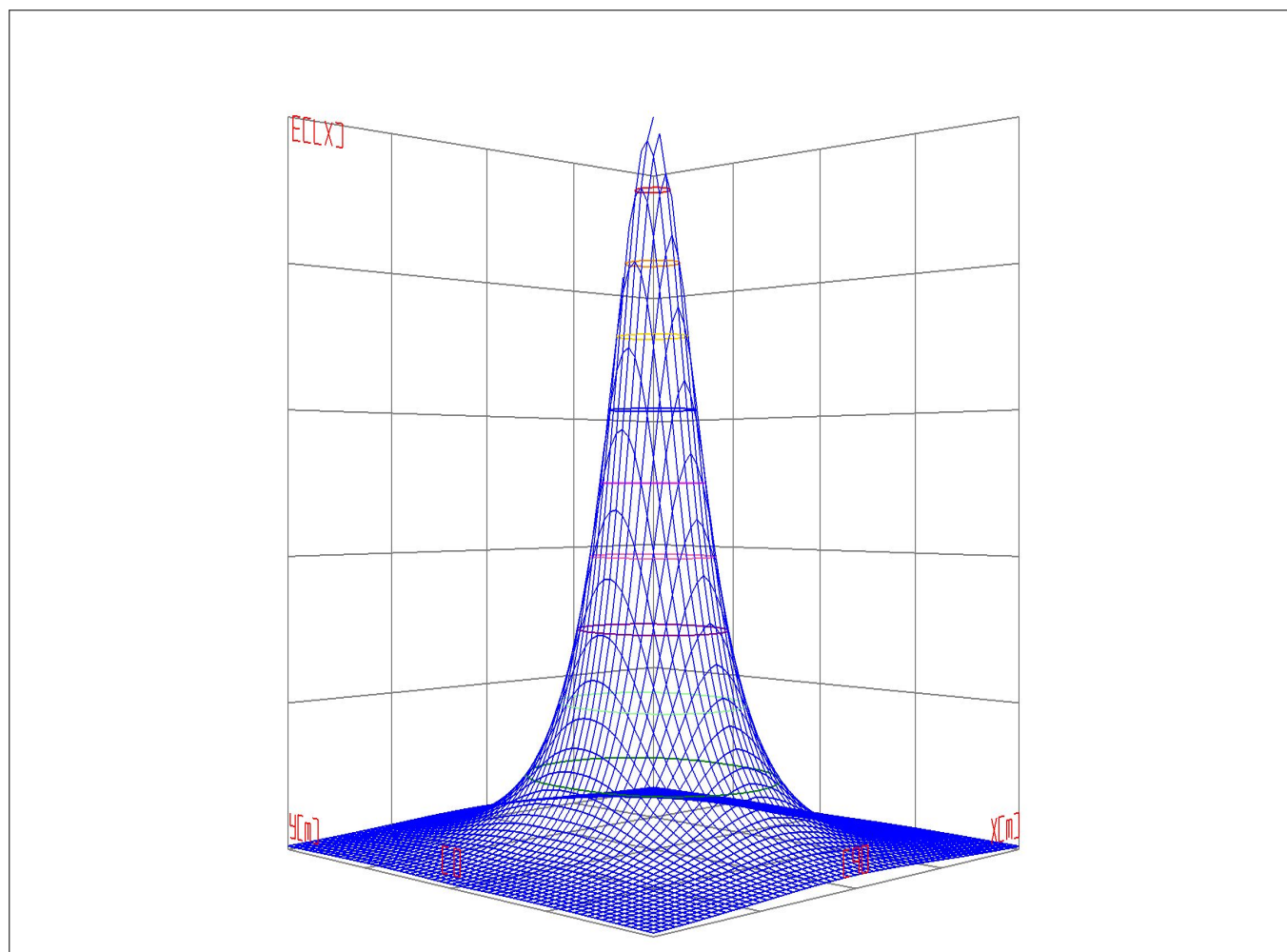


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 21.74
 Working Plane Maximum Illuminance Position(d/h): H-0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: HCP-3763143	Lum. Catalog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

3D Plane Illuminance Model



Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

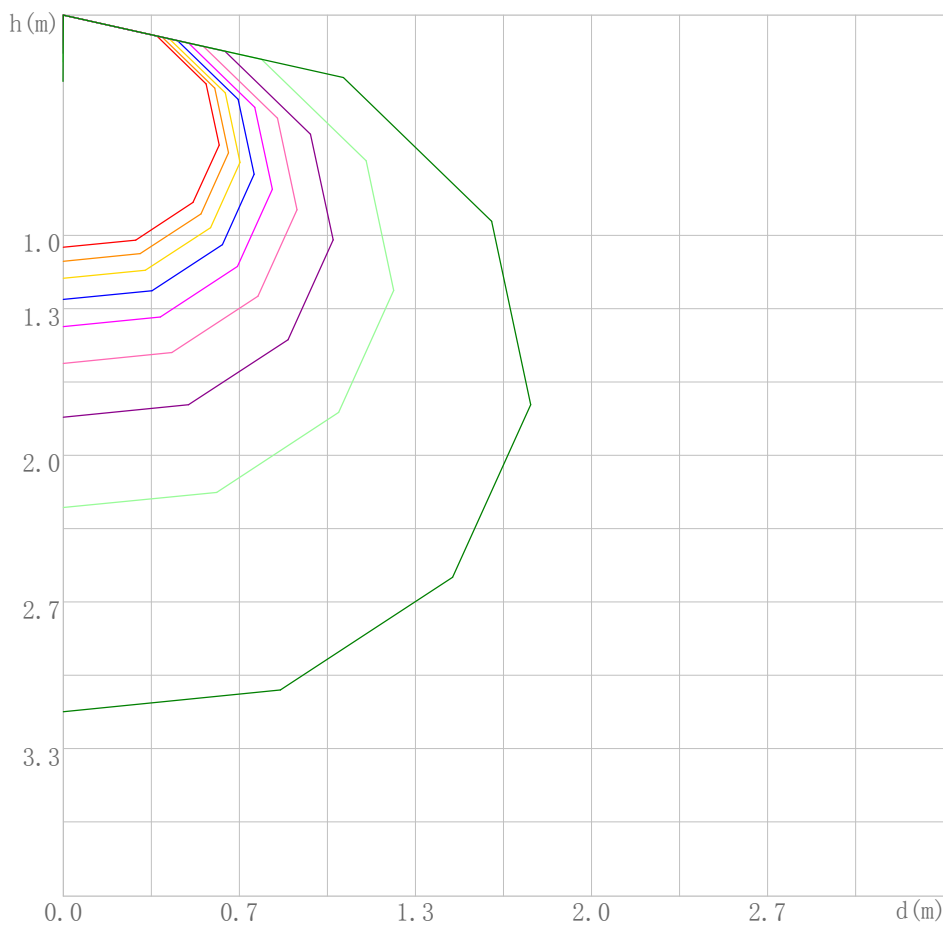
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Space ISO Illuminance Diagram

Lum. Name: HCP-3763143	Lum. Catalog:	Test ID:
Lamp Name: 2835 3000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =187.801

— [EMax*90%]=169.021

— [EMax*80%]=150.241

— [EMax*70%]=131.461

— [EMax*60%]=112.681

— [EMax*50%]=93.900

— [EMax*40%]=75.120

— [EMax*30%]=56.340

— [EMax*20%]=37.560

— [EMax*10%]=18.780

Space Plane Maximum Illuminance and @Angle:187.80lx,0.0deg

Plane Maximum Lighting Intensity and @Angle:195.622cd,0deg

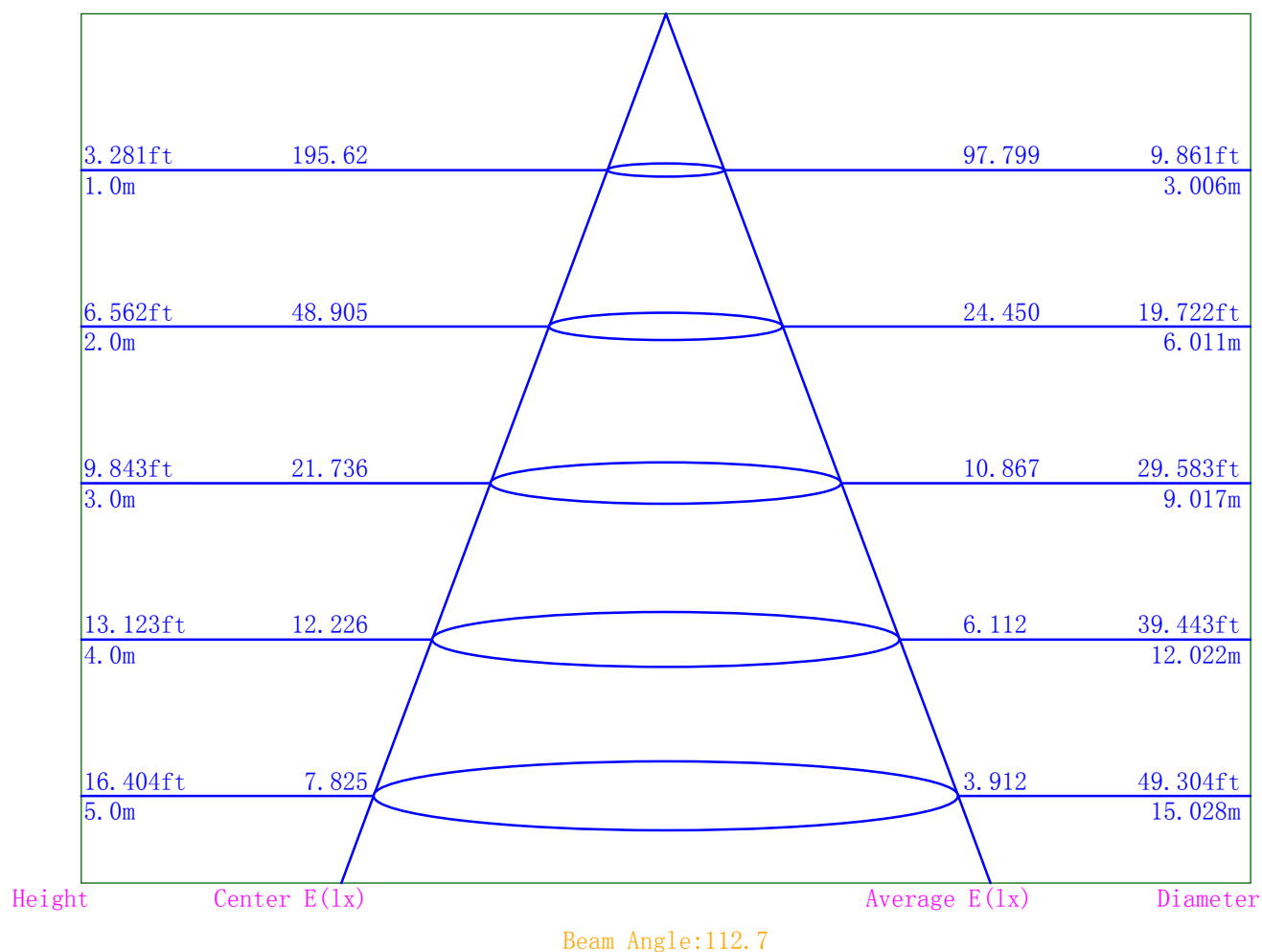
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Illuminance-Distance Diagram

Lum. Name: HCP-3763143	Lum. Catalog:	Test ID:
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Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

Illuminance-Distance Curve



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Candela Tabulation

V/H	$\beta -90.0$	$\beta -75.0$	$\beta -60.0$	$\beta -45.0$	$\beta -30.0$	$\beta -15.0$	$\beta 0.0$	$\beta 15.0$	$\beta 30.0$	$\beta 45.0$	$\beta 60.0$	$\beta 75.0$
B-90.0	1.68	20.84	46.82	75.01	95.74	109.22	113.74	109.50	96.56	76.44	50.78	22.32
B-75.0	1.68	27.29	63.88	96.15	120.62	137.13	141.88	137.05	120.28	95.74	63.29	27.93
B-60.0	1.68	32.21	74.09	111.23	139.55	158.43	164.00	158.37	139.32	111.00	73.66	32.53
B-45.0	1.68	35.50	81.83	122.94	154.33	175.22	181.62	175.33	154.44	123.04	81.73	36.02
B-30.0	1.68	37.28	86.59	130.25	163.99	186.18	193.29	186.43	164.23	130.56	86.70	38.13
B-15.0	1.68	37.73	87.88	132.54	167.45	190.09	197.82	190.46	167.90	132.99	88.23	38.74
B0.0	1.68	37.08	86.76	130.83	165.49	187.80	195.62	188.26	166.09	131.51	87.39	38.49
B15.0	1.68	36.24	85.17	128.67	163.00	185.07	192.95	185.65	163.87	129.76	86.35	38.15
B30.0	1.68	35.02	82.61	124.41	157.69	178.60	186.50	179.22	158.72	125.75	84.09	37.27
B45.0	1.68	32.79	77.30	116.07	147.22	166.28	173.87	166.91	148.26	117.56	79.02	35.15
B60.0	1.68	29.34	69.34	103.94	132.07	149.04	156.01	149.61	133.17	105.43	71.02	31.72
B75.0	1.68	22.74	59.34	89.09	113.64	128.18	134.54	128.73	114.70	90.54	61.01	27.11
B90.0	1.68	17.51	45.70	69.73	88.57	98.67	102.36	94.65	82.30	59.35	37.85	16.61

V/H	$\beta 90.0$
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