

Flood Luminaire Photometric Data

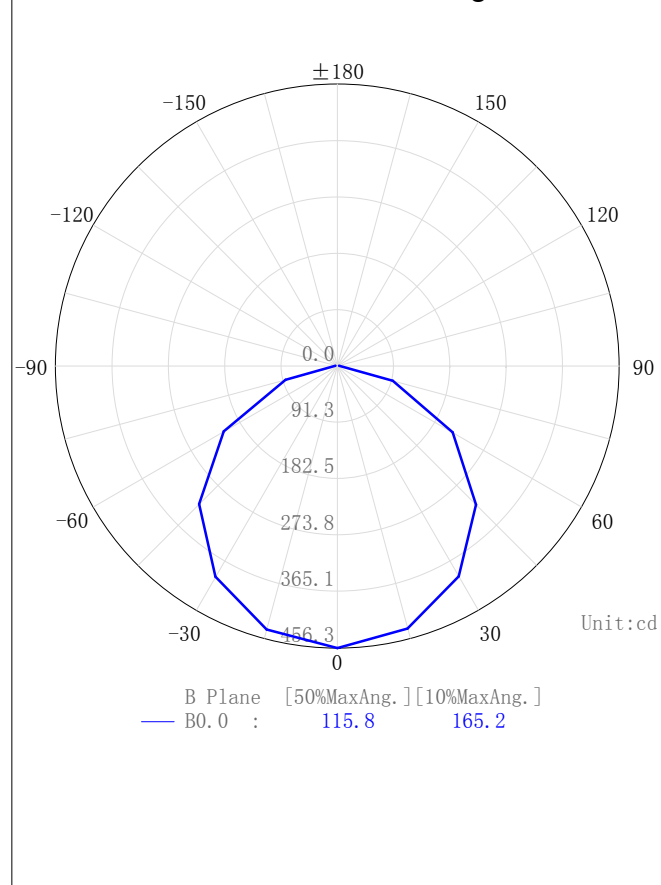
Description Information

Luminary Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Date: 2021/08/13
Manufacture: HAVIT LIGHTING	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. (°C):
		Humidity(%):

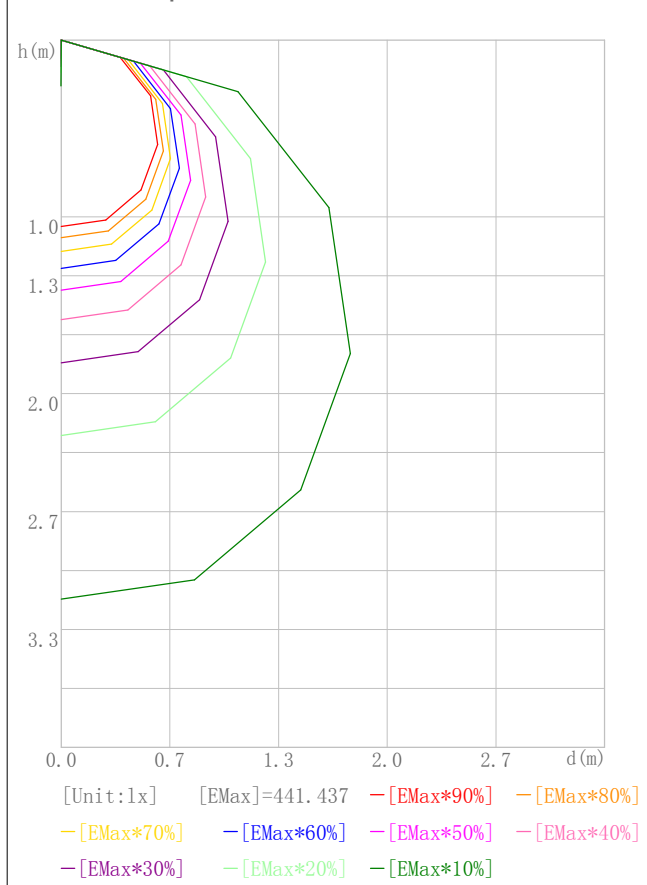
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1229.760	Luminary Flux(lm): 1399.500	Beam Lumens(lm): 1030.87
Rated Power(W):	Luminary Efficiency: 113.80%	Beam Efficiency(%): 73.66
Rated Voltage(V):	Luminary EER(lm/W): 72.815	Field Lumens(lm): 1375.67
Tested Power(W): 19.220	Max. Candela(cd): 456.331	Field Efficiency(%): 98.30
Lamps' Inside: 1	Max Cand@Ang. (°): B=0.0 β=0.0	ErP Φuse(120°): 1059.100lm
Tested Electrics(V, A, pf):24.0, 0.8010, 0.000	Beam Angle(50%)(V, H): 119.5(°), 115.8(°)	IRF(%): 105.828
Lamp Size(W*L*H):0.010m*1.000m*0.010m	Field Angle(10%)(V, H): 174.8(°), 165.2(°)	

B Plane Distribution Diagram



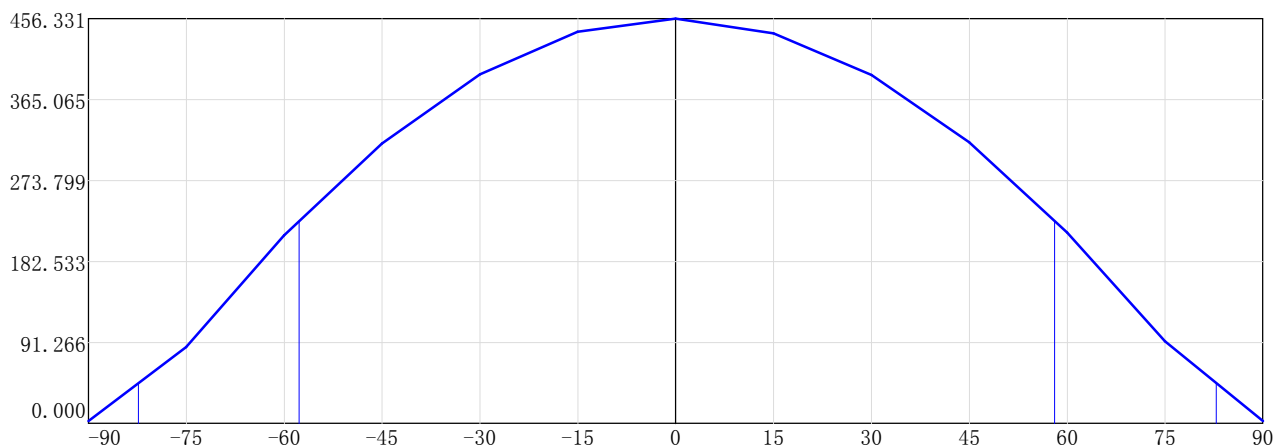
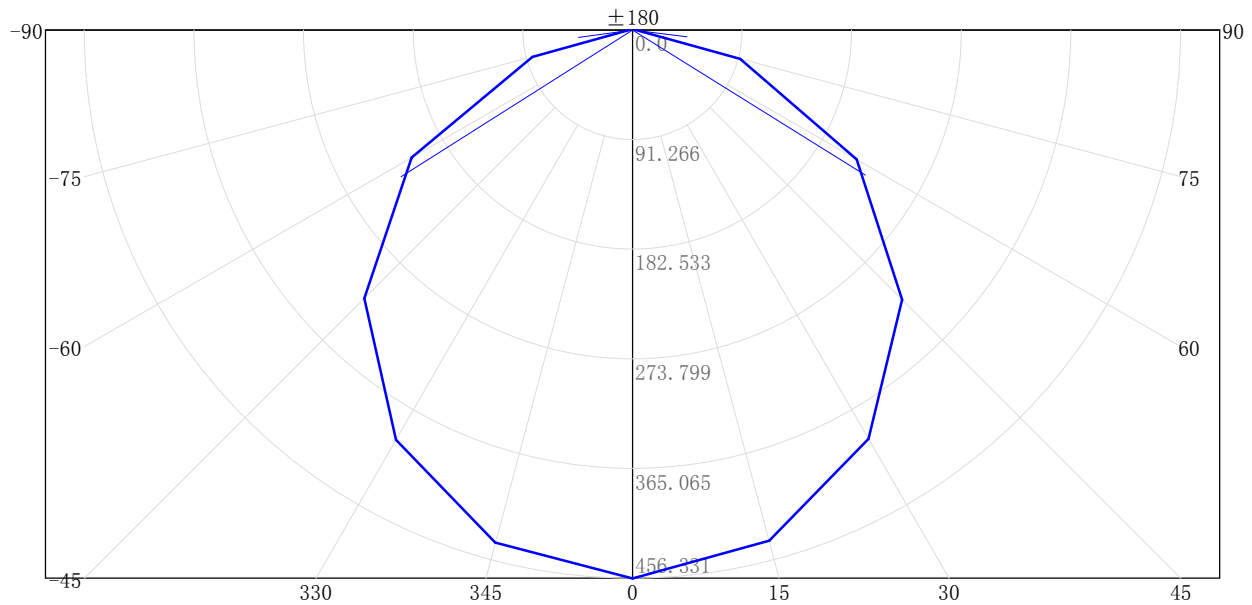
C0 Space ISO Illuminance Curve



2D Plane Light Intensity Distribution Curve

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine: GON-2000	Test Date: 2021/08/13

B Plane Distribution Diagram

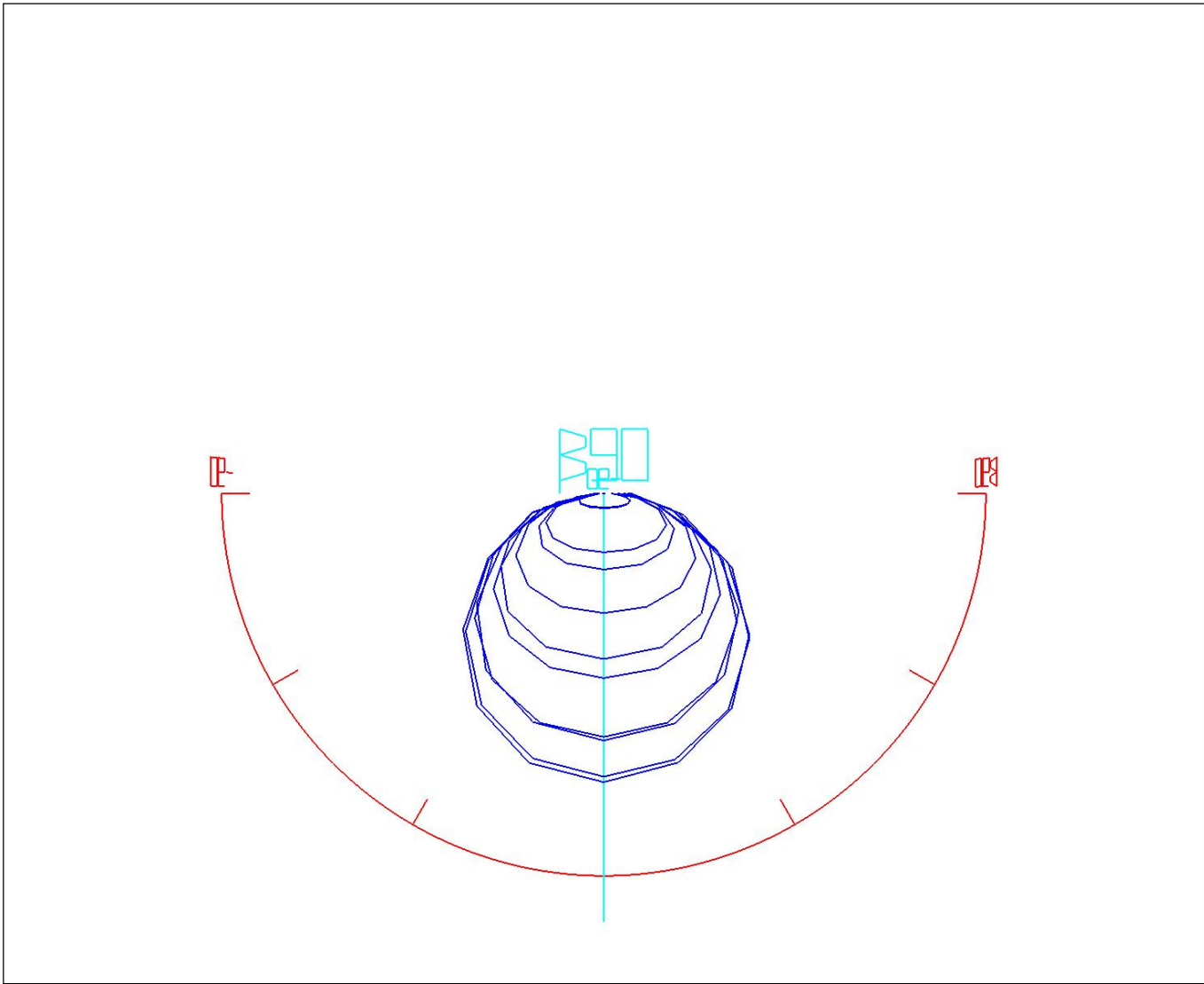


—
 B Plane
 B0.0 :
 [50%MaxAng.]
115.8
[10%MaxAng.]
165.2
Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine:GON-2000	Test Date: 2021/08/13

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:HV9723-IP54-240-5K-1.IES

Zone Lumens Tabulation

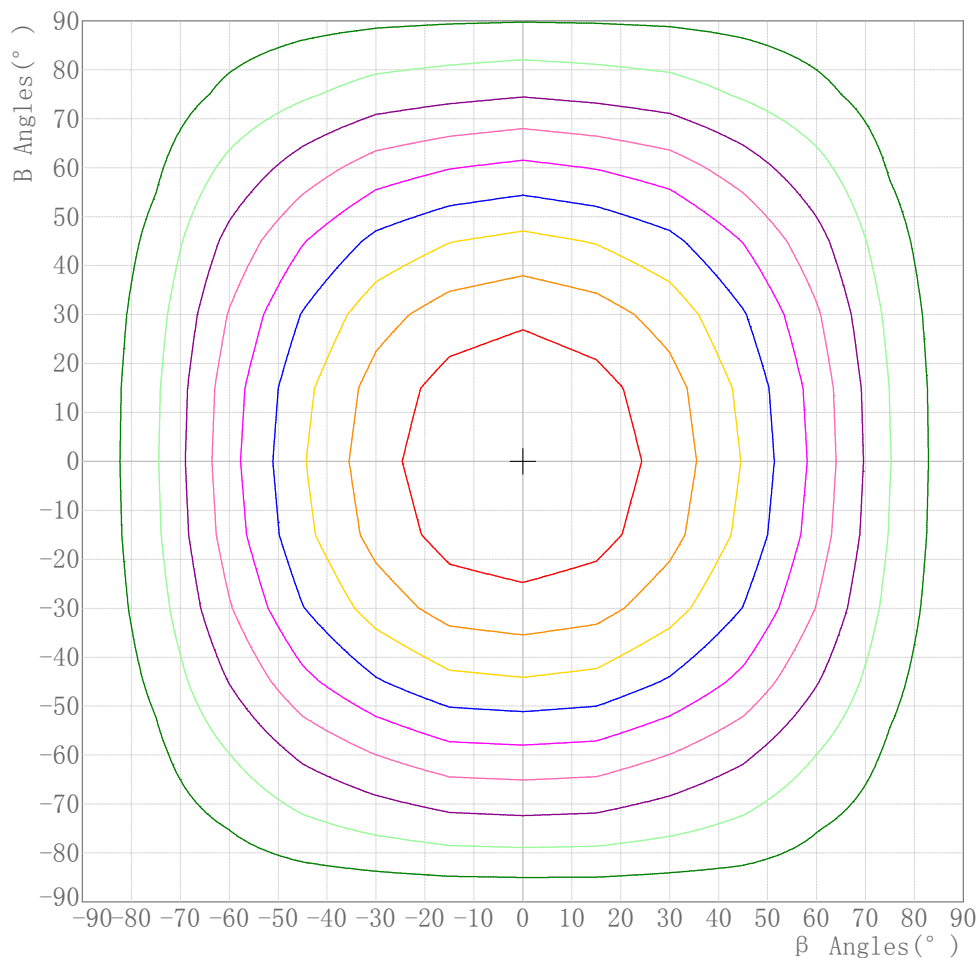
	β -90.0	β -75.0	β -60.0	β -45.0	β -30.0	β -15.0	β 0.0	β 15.0	β 30.0	β 45.0	β 60.0	β 75.0	β 90.0
B-90.0	0.08	0.54	1.45	2.60	3.64	4.29	4.33	3.74	2.74	1.59	0.62	0.09	
B-75.0	0.14	1.26	3.75	6.85	9.61	11.21	11.22	9.63	6.88	3.78	1.30	0.15	
B-60.0	0.21	2.08	6.13	11.01	15.31	17.75	17.70	15.25	11.00	6.16	2.14	0.23	
B-45.0	0.29	2.89	8.37	14.86	20.52	23.71	23.65	20.44	14.85	8.42	2.97	0.31	
B-30.0	0.36	3.50	10.00	17.60	24.19	27.92	27.86	24.10	17.60	10.07	3.61	0.38	
B-15.0	0.39	3.82	10.80	18.94	25.97	29.96	29.90	25.89	18.94	10.89	3.94	0.42	
B0.0	0.39	3.85	10.83	18.97	25.99	29.98	29.93	25.92	18.99	10.93	3.98	0.42	
B15.0	0.36	3.59	10.15	17.80	24.39	28.14	28.08	24.32	17.83	10.24	3.71	0.39	
B30.0	0.31	3.05	8.70	15.37	21.10	24.37	24.32	21.05	15.40	8.79	3.16	0.33	
B45.0	0.23	2.28	6.61	11.82	16.31	18.89	18.87	16.30	11.87	6.69	2.37	0.25	
B60.0	0.15	1.42	4.17	7.56	10.50	12.23	12.24	10.55	7.63	4.23	1.49	0.16	
B75.0	0.09	0.72	2.02	3.61	4.98	5.81	5.84	5.06	3.69	2.08	0.76	0.09	
B90.0													
Total	2.99	29.02	82.97	147.01	202.51	234.26	233.95	202.24	147.42	83.87	30.04	3.21	

β 90.0	Total
B-90.0	25.70
B-75.0	65.77
B-60.0	104.98
B-45.0	141.29
B-30.0	167.19
B-15.0	179.86
B0.0	180.19
B15.0	169.02
B30.0	145.95
B45.0	112.49
B60.0	72.33
B75.0	34.73
B90.0	
Total	1399.50

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine: GON-2000	Test Date: 2021/08/13

ISO Lighting Intensity Curve



Curves:

[Unit: cd]

[IMax] =283.207

- [IMax*90%]=254.886
- [IMax*80%]=226.566
- [IMax*70%]=198.245
- [IMax*60%]=169.924
- [IMax*50%]=141.604
- [IMax*40%]=113.283
- [IMax*30%]=84.962
- [IMax*20%]=56.641
- [IMax*10%]=28.321

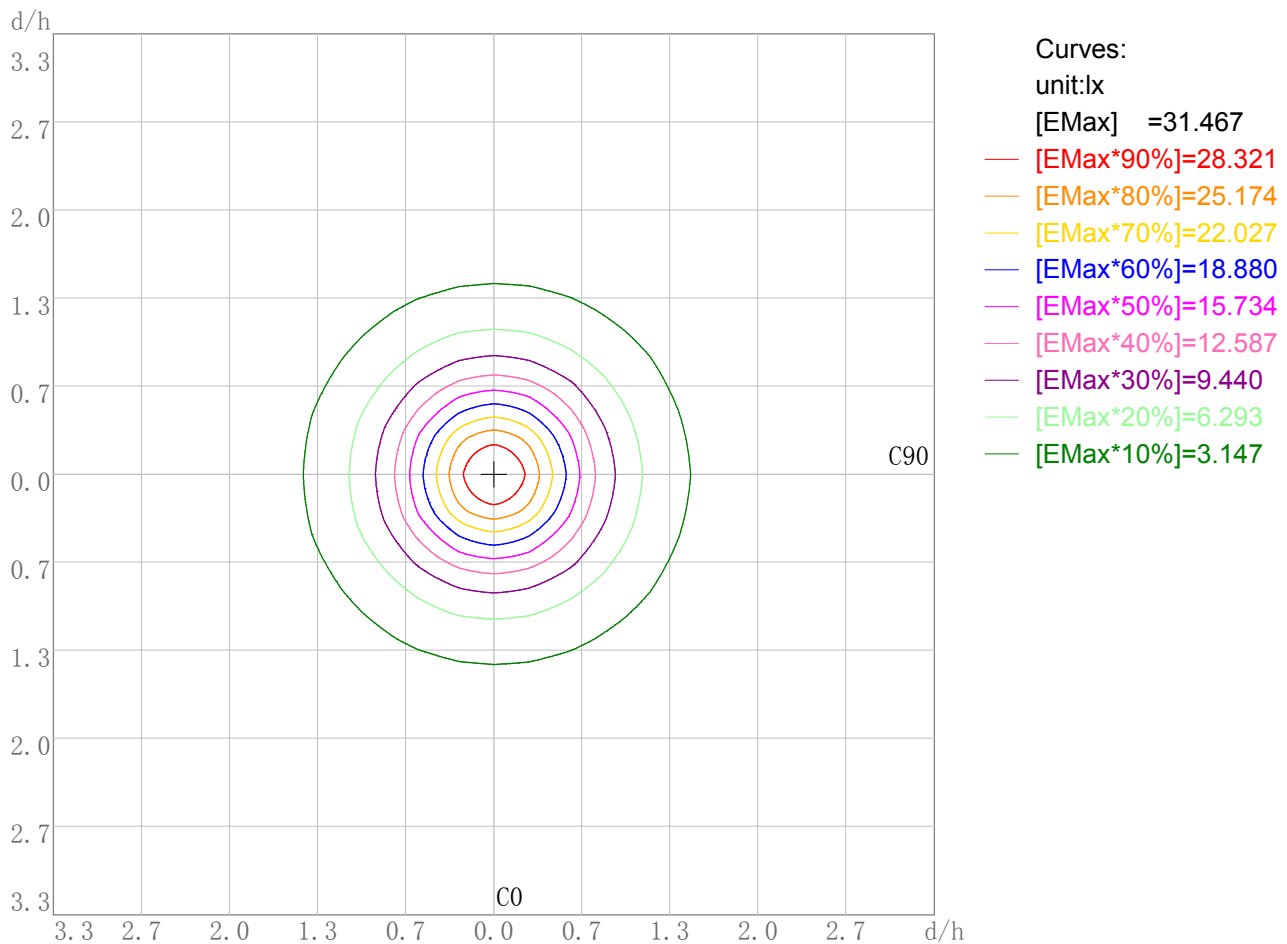
Maximum Light Intensity(cd): 283.21

Maximum Cand.@Angle: H=0.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine: GON-2000	Test Date: 2021/08/13

Plane ISO-Illuminance Curve

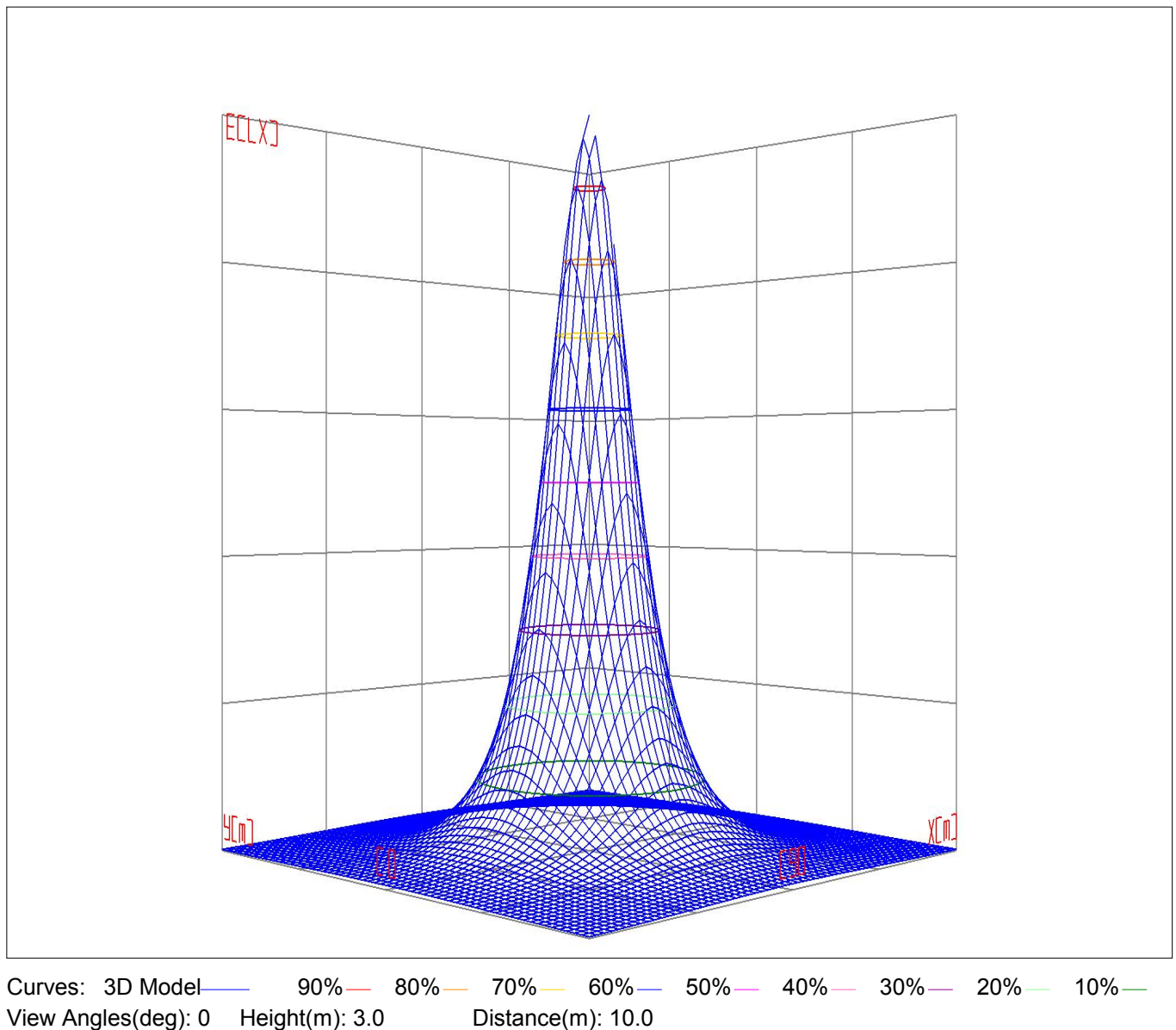


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 31.47
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine: GON-2000	Test Date: 2021/08/13

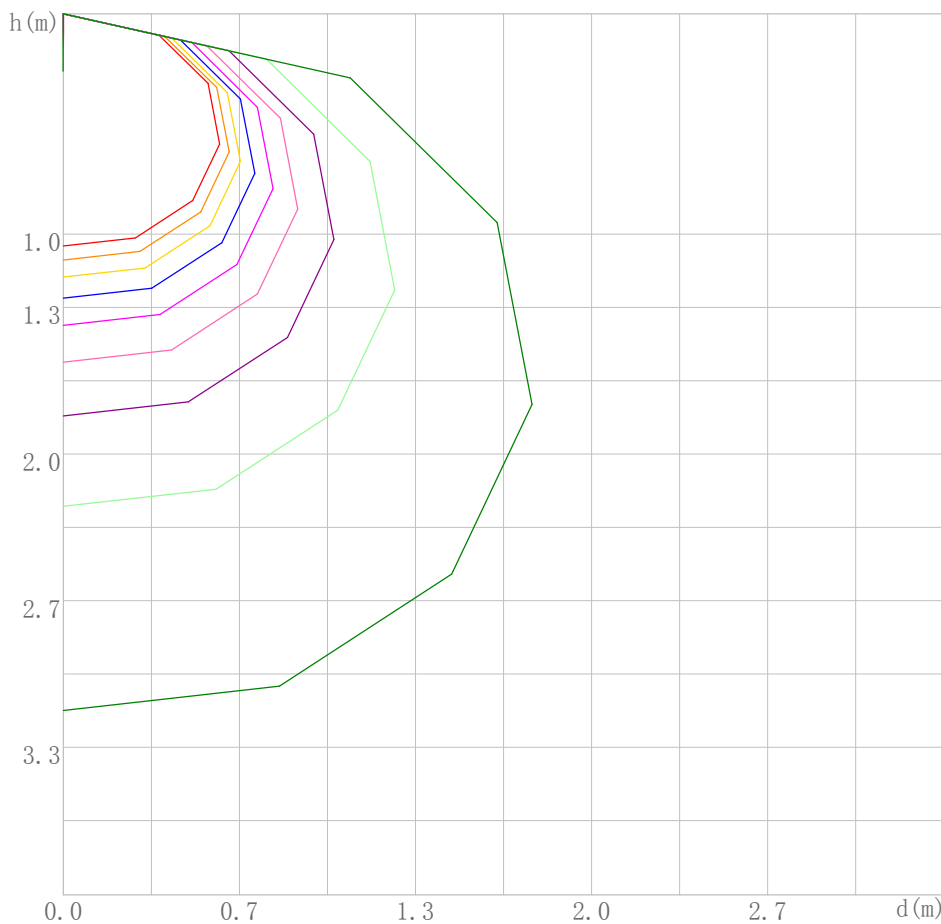
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine: GON-2000	Test Date: 2021/08/13

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =441.437

— [EMax*90%]=397.293

— [EMax*80%]=353.149

— [EMax*70%]=309.006

— [EMax*60%]=264.862

— [EMax*50%]=220.718

— [EMax*40%]=176.575

— [EMax*30%]=132.431

— [EMax*20%]=88.287

— [EMax*10%]=44.144

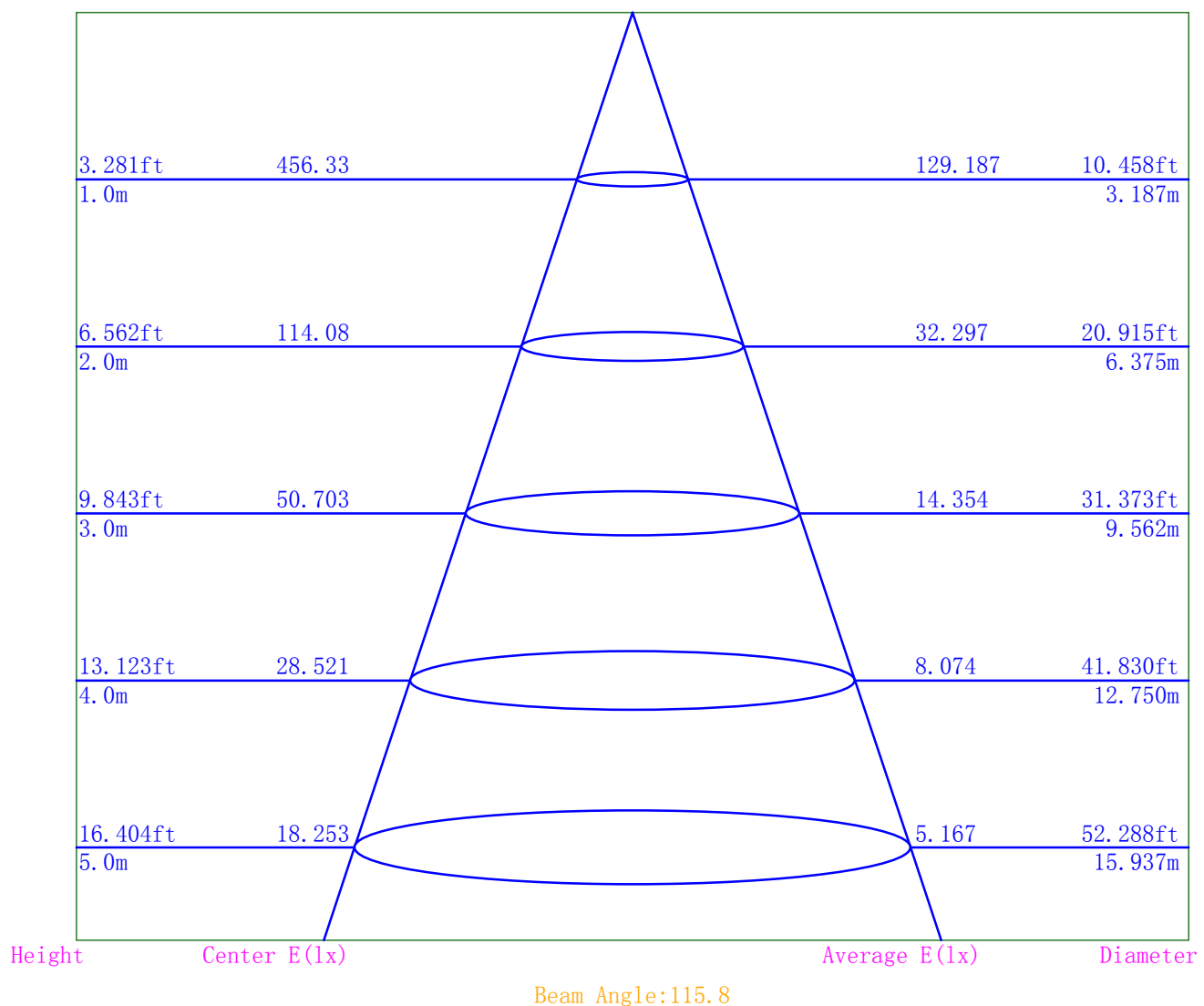
Space Plane Maximum Illuminance and @Angle:441.44lx,0.0deg

Plane Maximum Lighting Intensity and @Angle:456.331cd,0deg

Illuminance-Distance Diagram

Lum. Name: HV9723-IP54-240-5K-1	Lum. Catalog:	Test ID:
Lamp Name: 3528 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT LIGHTING	Test Machine: GON-2000	Test Date: 2021/08/13

Illuminance-Distance Curve



IES Flood Report

Photometric Filename:HV9723-IP54-240-5K-1.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	2.99	8.46	7.64	6.50	7.01	7.84	8.44	9.15	9.12	12.07	13.65	11.66
B-75.0	2.99	20.19	46.42	78.47	99.74	116.30	120.44	117.50	101.14	79.50	47.59	21.99
B-60.0	2.99	35.99	90.17	145.02	182.29	210.57	214.62	209.72	181.72	145.06	90.84	38.29
B-45.0	2.99	54.38	138.34	215.77	269.44	307.66	314.79	306.04	268.83	216.20	139.90	57.71
B-30.0	2.99	70.99	178.60	272.00	339.10	383.52	393.86	381.71	338.00	272.75	180.88	76.10
B-15.0	2.99	82.43	203.92	306.47	381.20	428.78	441.96	427.07	380.20	307.52	206.69	88.36
B0.0	2.99	86.30	212.19	315.77	393.60	441.44	456.33	439.86	392.77	317.09	215.27	92.79
B15.0	2.99	83.57	206.67	307.04	383.10	428.33	443.97	426.77	382.44	308.48	210.03	90.11
B30.0	2.99	73.60	185.48	276.41	346.91	386.86	401.97	385.11	346.45	277.74	188.61	79.35
B45.0	2.99	57.75	149.65	225.25	285.21	317.73	332.18	316.44	285.40	226.65	152.44	62.26
B60.0	2.99	38.93	102.74	158.17	203.72	226.45	238.92	226.18	204.44	159.39	105.18	42.13
B75.0	2.99	20.38	54.94	84.69	111.51	123.55	132.98	124.57	113.03	85.93	56.57	23.93
B90.0	2.99	11.96	23.04	31.73	38.37	42.15	44.14	42.92	39.82	33.26	23.74	11.71
V/H	β 90.0											
B-90.0	2.98											
B-75.0	2.98											
B-60.0	2.98											
B-45.0	2.98											
B-30.0	2.98											
B-15.0	2.98											
B0.0	2.98											
B15.0	2.98											
B30.0	2.98											
B45.0	2.98											
B60.0	2.98											
B75.0	2.98											
B90.0	2.98											