IES Flood Report
Photometric Filename: HCP-3466151.IES

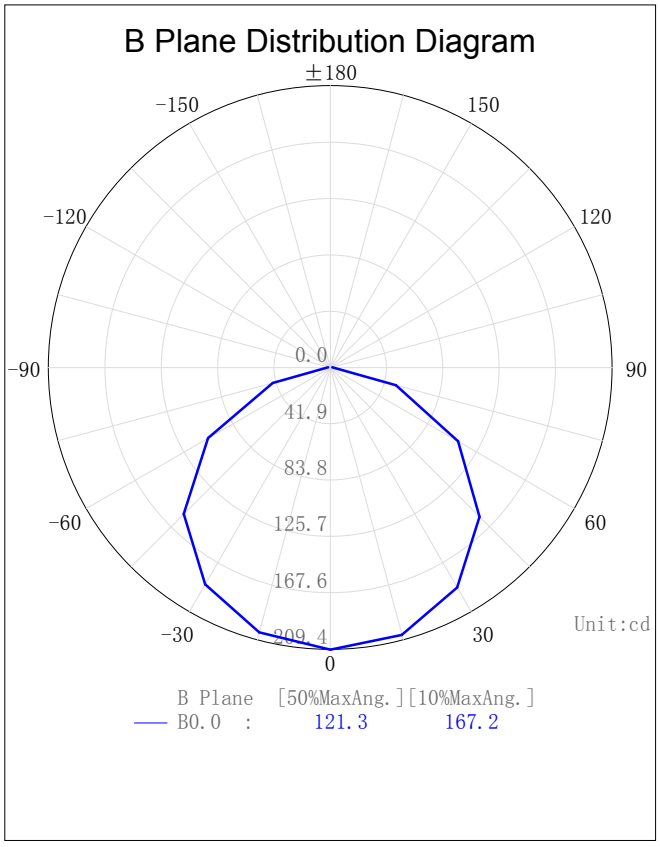
Flood Luminaire Photometric Data

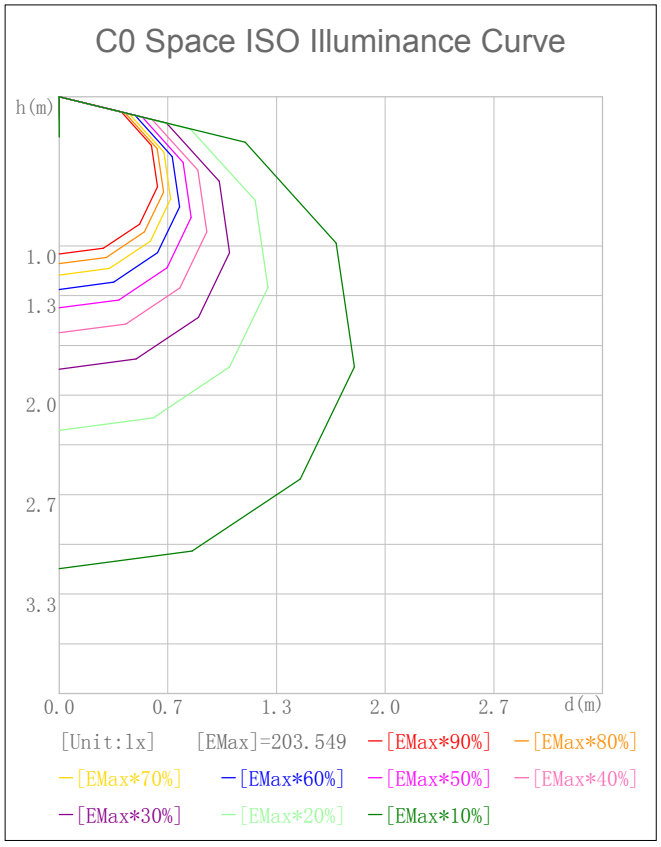
Description Information

Luminary Name: HCP-3466151		Lum. Catelog:	Test ID:
Lamp Name: 2216 RGBW		Lamp Catelog:	Test Date: 2019/08/01
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):	786.800	Luminary Flux(lm):	691.776	Beam Lumens(lm):	530.62
Rated Power(W):		Luminary Efficiency:	87.92%	Beam Efficiency(%):	76.70
Rated Voltage(V):		Luminary EER(lm/W):	41.177	Field Lumens(lm):	681.24
Tested Power(W):	16.800	Max.Candela(cd):	209.438	Field Efficiency(%):	98.48
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	514.396lm
Tested Electrics(V,A,pf):24.0,0.7,0.000		Beam Angle(50%)(V,H):	126.2(°),121.3(°)	IRF(%):	99.720
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	175.2(°),167.2(°)		





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

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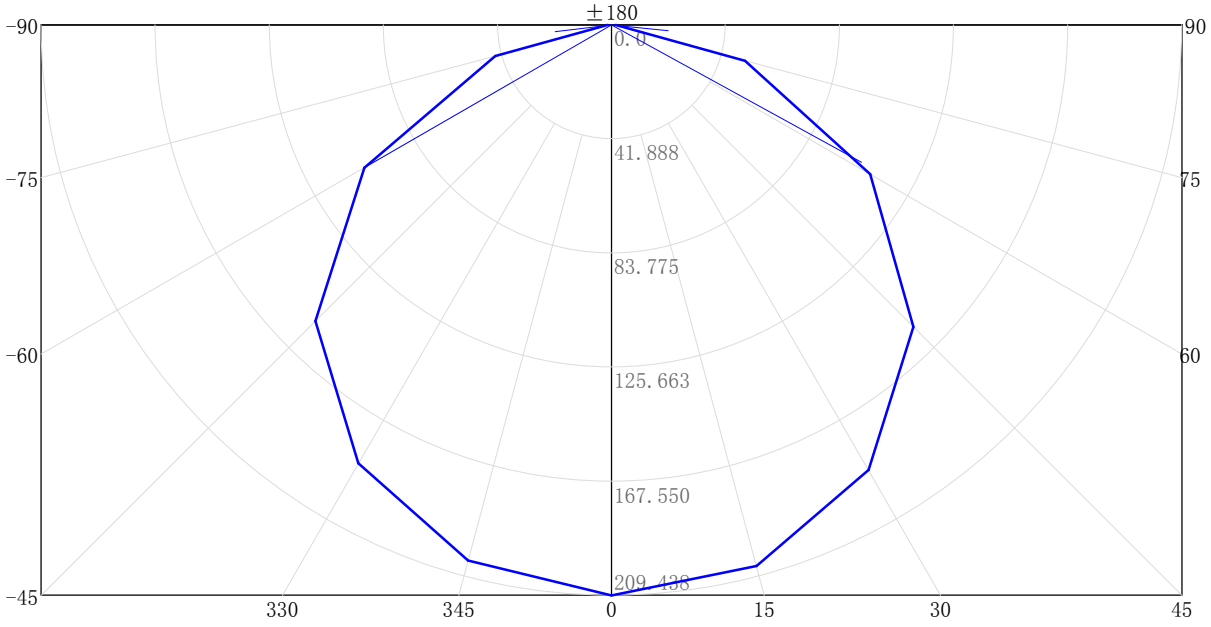
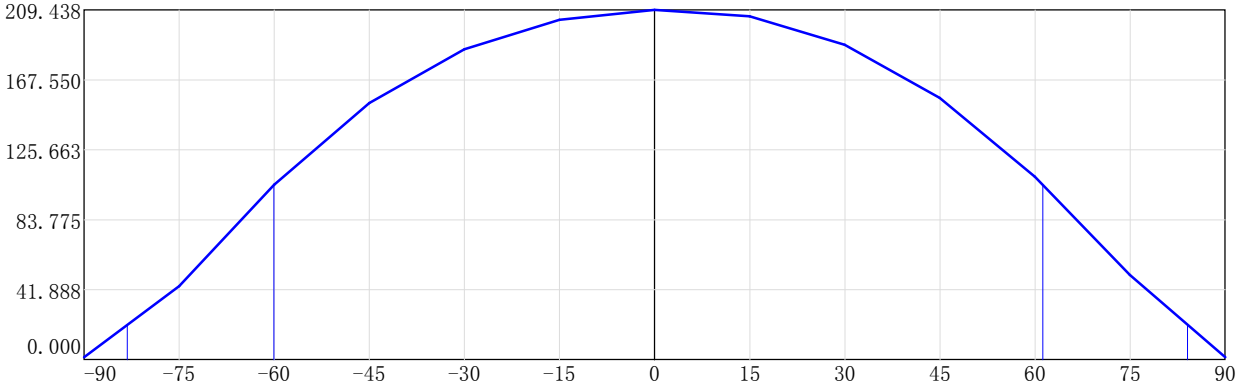
2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

B Plane Distribution Diagram





	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
	B0.0 :	121.3	167.2	

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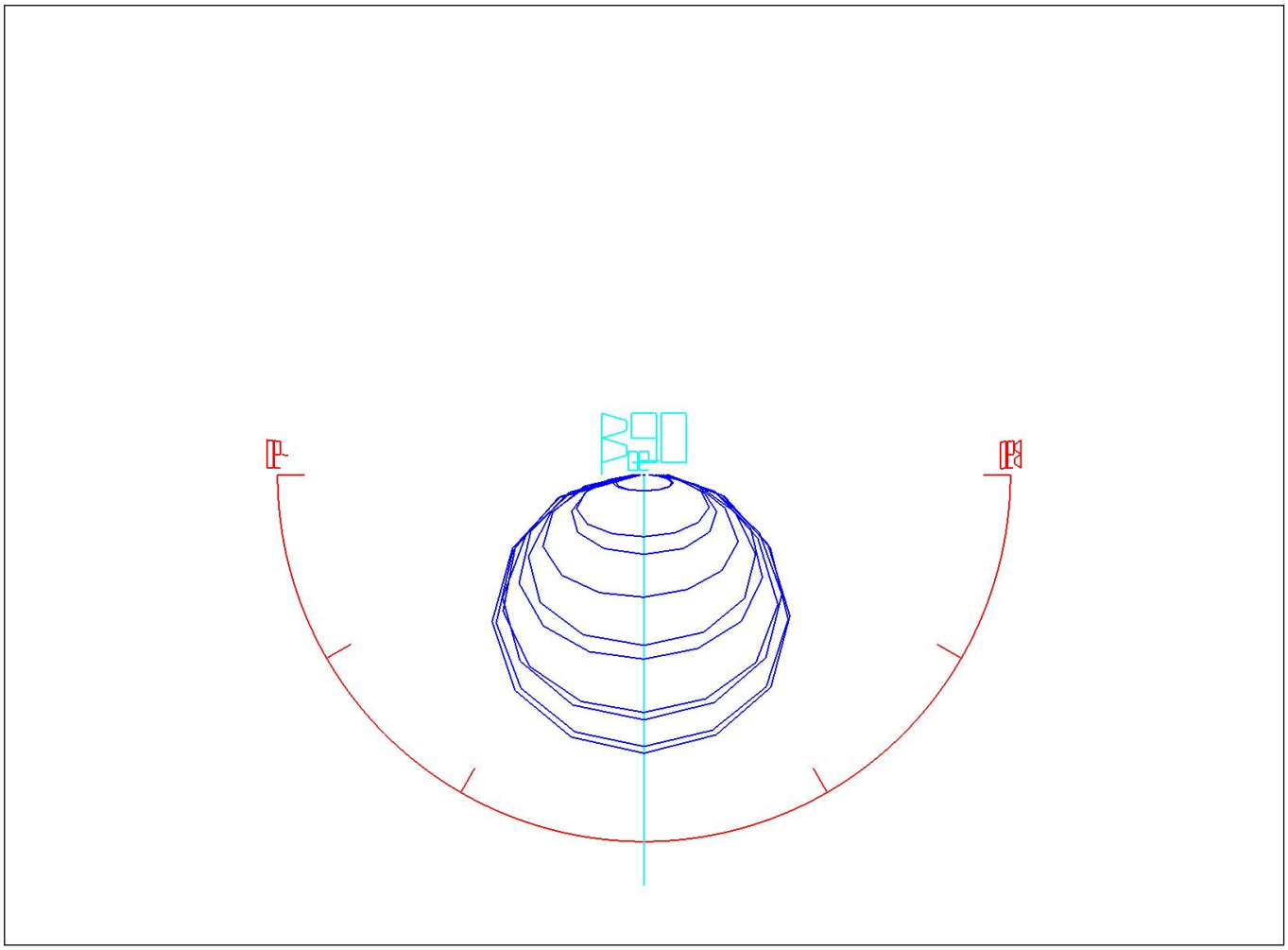
3D Light Intensity Distribution Modal

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

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	0.04	0.29	0.81	1.46	2.03	2.39	2.48	2.24	1.69	0.98	0.37	0.05
B-75.0	0.08	0.69	2.07	3.82	5.35	6.21	6.28	5.54	4.06	2.25	0.78	0.09
B-60.0	0.12	1.12	3.29	5.92	8.13	9.32	9.42	8.39	6.22	3.53	1.25	0.14
B-45.0	0.16	1.51	4.34	7.65	10.34	11.77	11.87	10.59	7.95	4.60	1.67	0.18
B-30.0	0.18	1.78	5.02	8.69	11.63	13.22	13.31	11.85	8.94	5.25	1.95	0.21
B-15.0	0.20	1.92	5.32	9.12	12.17	13.85	13.94	12.36	9.31	5.50	2.07	0.23
B0.0	0.20	1.92	5.29	9.07	12.12	13.80	13.87	12.26	9.20	5.43	2.05	0.23
B15.0	0.18	1.78	4.95	8.55	11.49	13.10	13.15	11.59	8.64	5.05	1.89	0.21
B30.0	0.15	1.51	4.26	7.47	10.11	11.54	11.57	10.17	7.53	4.35	1.61	0.18
B45.0	0.12	1.14	3.26	5.78	7.85	8.98	8.91	7.81	5.77	3.29	1.21	0.13
B60.0	0.07	0.71	2.07	3.73	5.12	5.87	5.76	5.02	3.69	2.07	0.76	0.08
B75.0	0.04	0.36	1.00	1.77	2.43	2.77	2.72	2.38	1.73	0.96	0.35	0.04
B90.0												
Total	1.54	14.72	41.68	73.04	98.76	112.83	113.29	100.19	74.74	43.25	15.97	1.77

β 90.0	Total
B-90.0	14.82
B-75.0	37.21
B-60.0	56.86
B-45.0	72.63
B-30.0	82.04
B-15.0	85.99
B0.0	85.43
B15.0	80.59
B30.0	70.44
B45.0	54.24
B60.0	34.97
B75.0	16.55
B90.0	
Total	691.78

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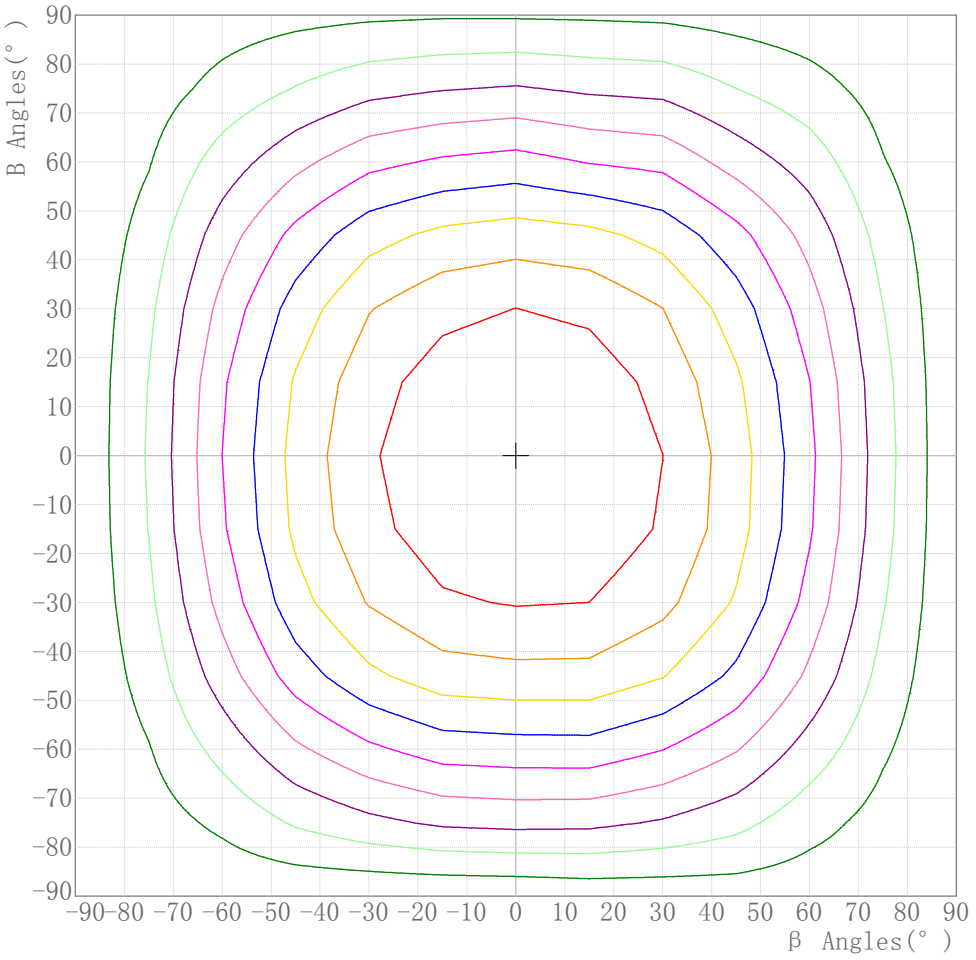
Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =209.438
[IMax*90%]=188.494
[IMax*80%]=167.550
[IMax*70%]=146.607
[IMax*60%]=125.663
[IMax*50%]=104.719
[IMax*40%]=83.775
[IMax*30%]=62.831
[IMax*20%]=41.888
[IMax*10%]=20.944

Maximum Light Intensity(cd): 209.44
Maximum Cand.@Angle: H=0.0°,V=0.0°

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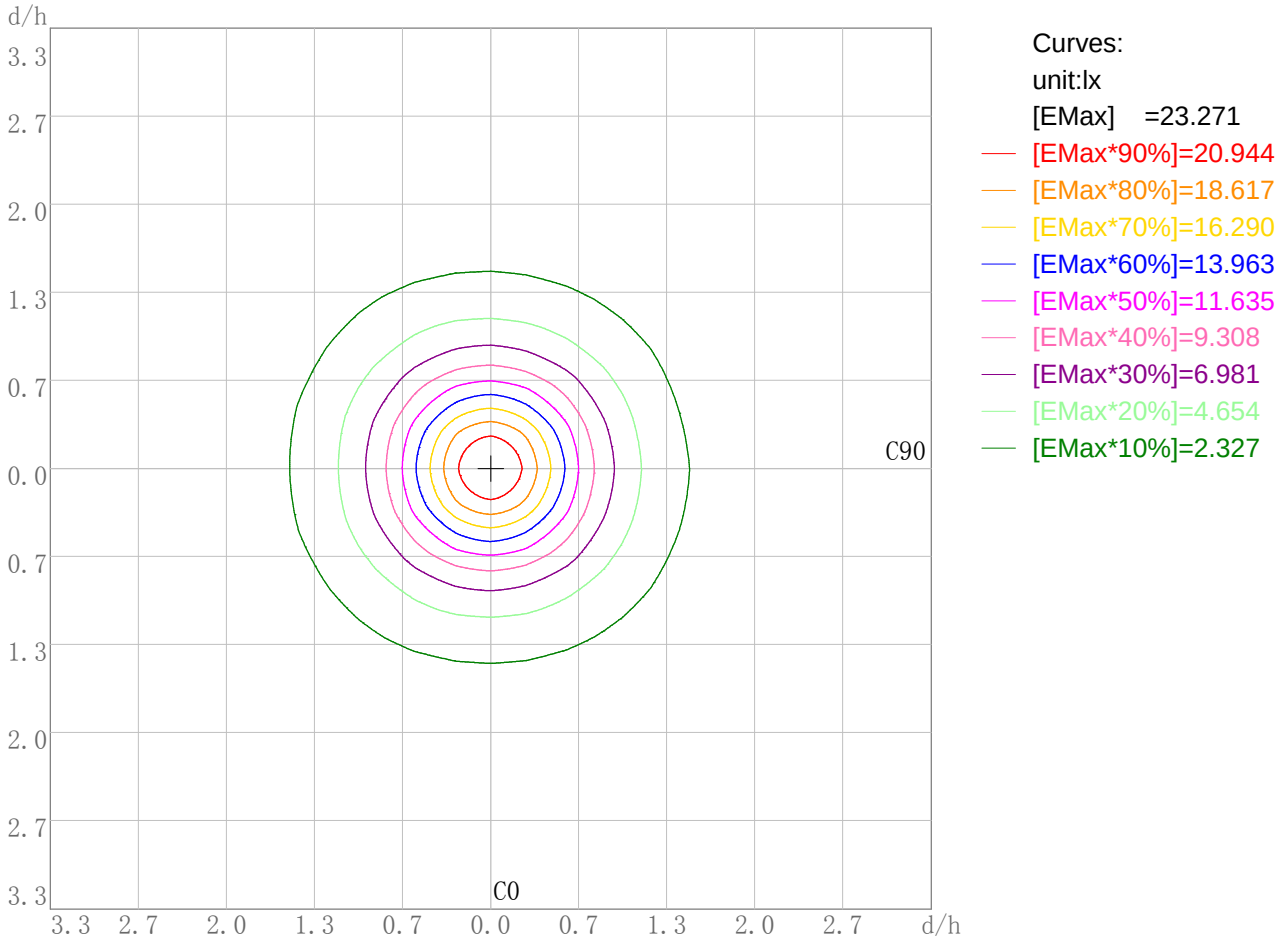
Plane ISO-Illuminance Diagram

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 23.27
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

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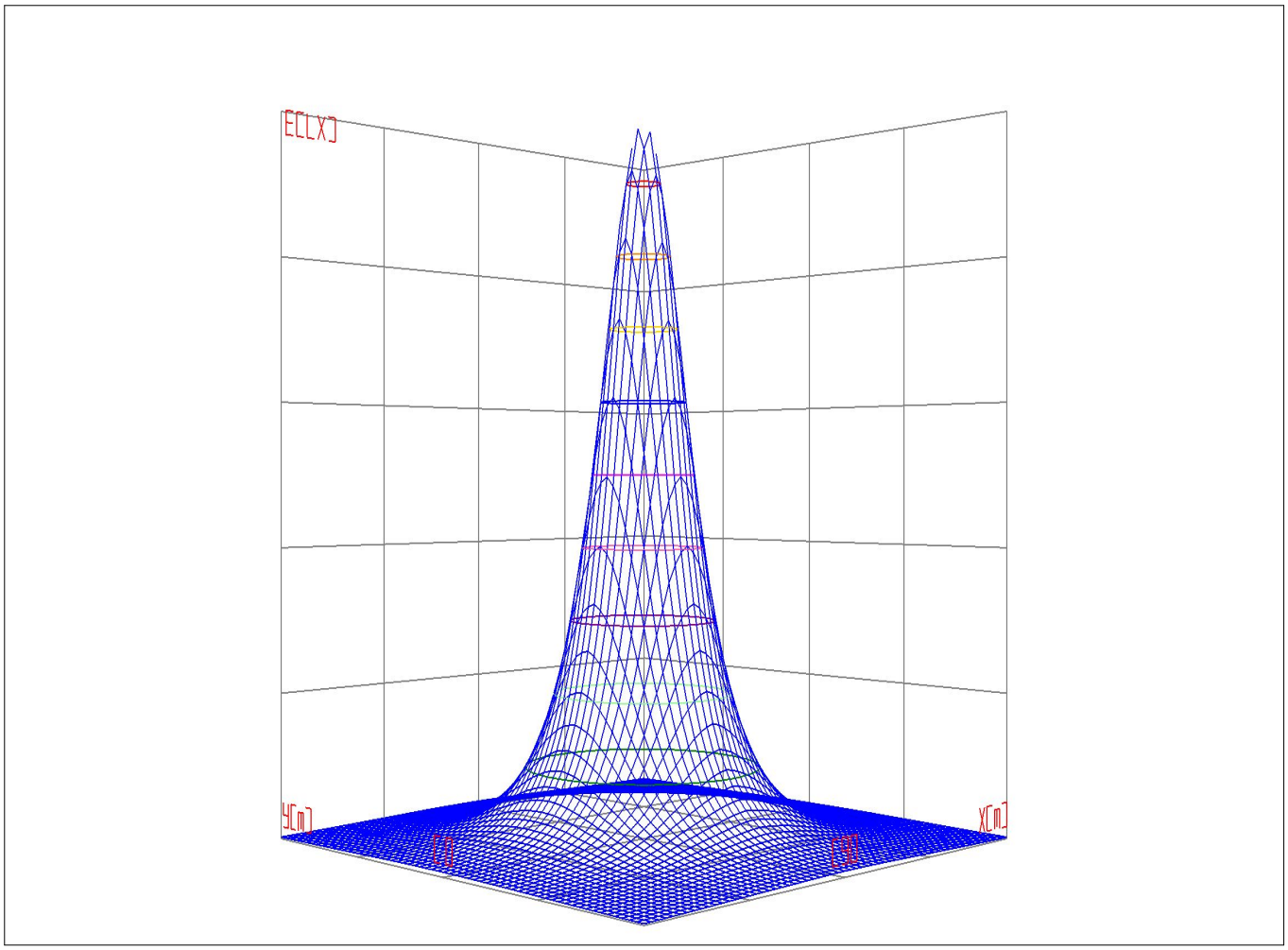
3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

3D Plane Illuminance Modal



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

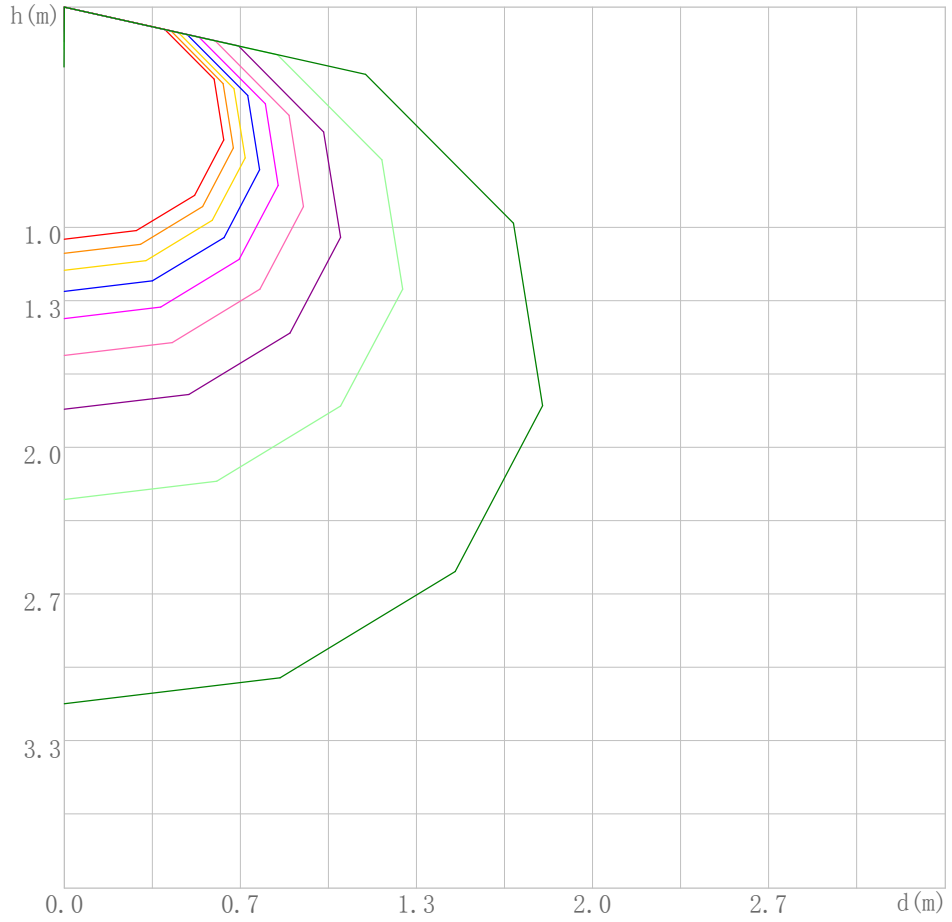
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3466151.IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =203.549
[EMax*90%]=183.194
[EMax*80%]=162.839
[EMax*70%]=142.484
[EMax*60%]=122.129
[EMax*50%]=101.774
[EMax*40%]=81.420
[EMax*30%]=61.065
[EMax*20%]=40.710
[EMax*10%]=20.355

Space Plane Maximum Illuminance and @Angle:203.55lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:209.438cd,0eg

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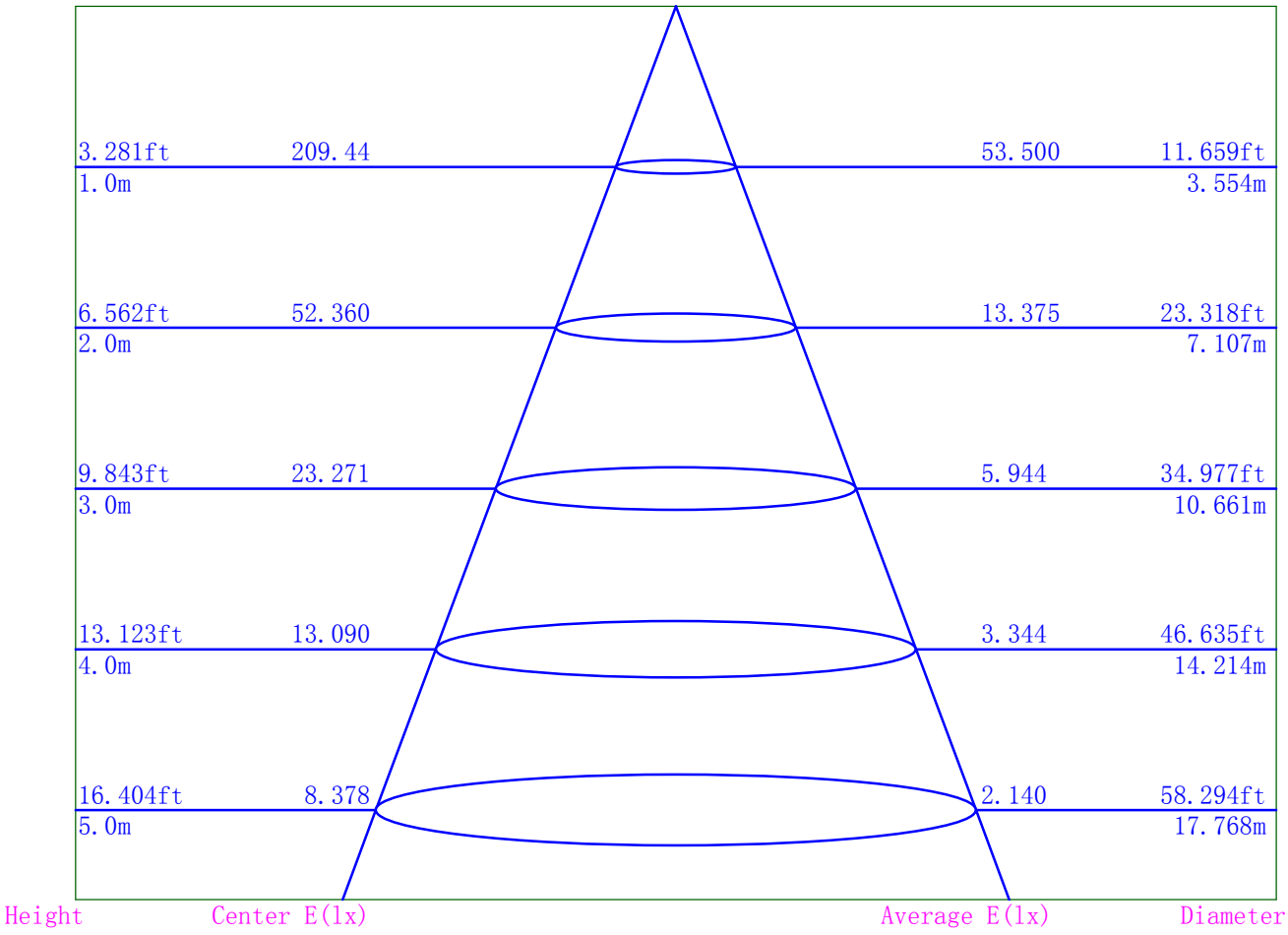
Illuminance-Distance Diagram

Lum.Name: HCP-3466151	Lum.Catelog:	Test ID:
Lamp Name: 2216 RGBW	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/08/01

Illuminance-Distance Curve



Beam Angle:121.3

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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	1.45	3.72	4.17	3.43	2.35	2.65	3.41	6.29	6.84	8.87	8.07	6.72
B-75.0	1.45	11.03	25.39	44.43	57.35	66.36	68.86	67.95	60.62	48.38	28.48	13.24
B-60.0	1.45	19.83	49.16	79.77	100.50	114.42	116.74	117.39	105.19	85.22	53.92	23.88
B-45.0	1.45	29.45	73.21	114.56	142.04	158.11	161.18	160.95	147.76	120.86	79.31	34.79
B-30.0	1.45	37.26	91.13	138.74	169.00	185.63	189.99	188.44	173.85	144.29	97.60	43.63
B-15.0	1.45	42.41	101.79	150.95	182.41	199.47	205.21	202.31	186.33	155.35	107.27	49.03
B0.0	1.45	44.13	104.77	153.71	185.85	203.55	209.44	205.69	188.65	156.82	109.61	50.69
B15.0	1.45	42.50	101.57	148.90	180.66	197.94	203.86	199.60	182.48	150.43	105.25	48.51
B30.0	1.45	37.30	90.46	134.92	166.44	182.98	188.68	184.24	167.81	136.34	93.53	42.36
B45.0	1.45	29.21	73.60	111.05	138.73	152.09	157.34	152.64	139.42	111.95	76.28	33.53
B60.0	1.45	19.64	51.26	77.68	98.71	107.92	112.59	103.66	98.78	75.23	53.00	22.06
B75.0	1.45	10.97	27.41	42.82	55.89	61.56	64.59	59.27	56.55	41.91	28.80	12.89
B90.0	1.45	5.32	10.82	14.62	17.41	18.84	18.67	18.09	16.76	12.66	8.66	3.77

V/H	β 90.0
B-90.0	1.50
B-75.0	1.50
B-60.0	1.50
B-45.0	1.50
B-30.0	1.50
B-15.0	1.50
B0.0	1.50
B15.0	1.50
B30.0	1.50
B45.0	1.50
B60.0	1.50
B75.0	1.50
B90.0	1.50