

IES Flood Report

Photometric Filename: HCP-3763145.IES

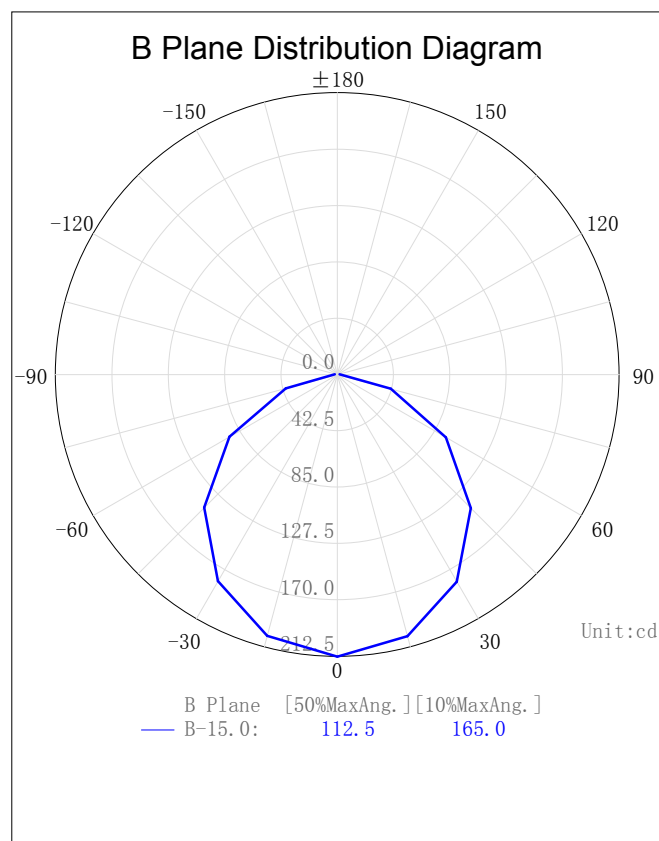
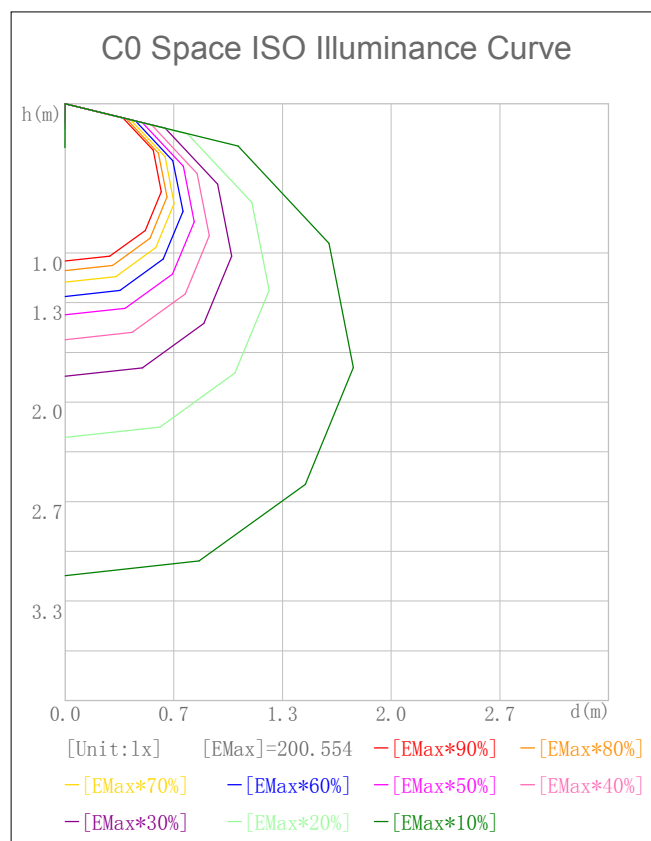
Flood Luminaire Photometric Data

Description Information

Luminary Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	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): 1236.500	Luminary Flux(lm): 857.841	Beam Lumens(lm): 741.46
Rated Power(W):	Luminary Efficiency: 69.38%	Beam Efficiency(%): 86.43
Rated Voltage(V):	Luminary EER(lm/W): 62.570	Field Lumens(lm): 855.47
Tested Power(W): 13.710	Max. Candela(cd): 212.544	Field Efficiency(%): 99.72
Lamps' Inside: 1	Max Cand@Ang. (°): B=-15.0 β=0.0	ErP Φuse(120°): 543.157lm
Tested Electrics(V, A, pf): 24.0, 0.58, 0.000	Beam Angle(50%) (V, H): 179.7(°), 112.5(°)	IRF(%): 95.525
Lamp Size (W*L*H): 0.008m*1.000m*0.010m	Field Angle(10%) (V, H): 180.0(°), 165.0(°)	



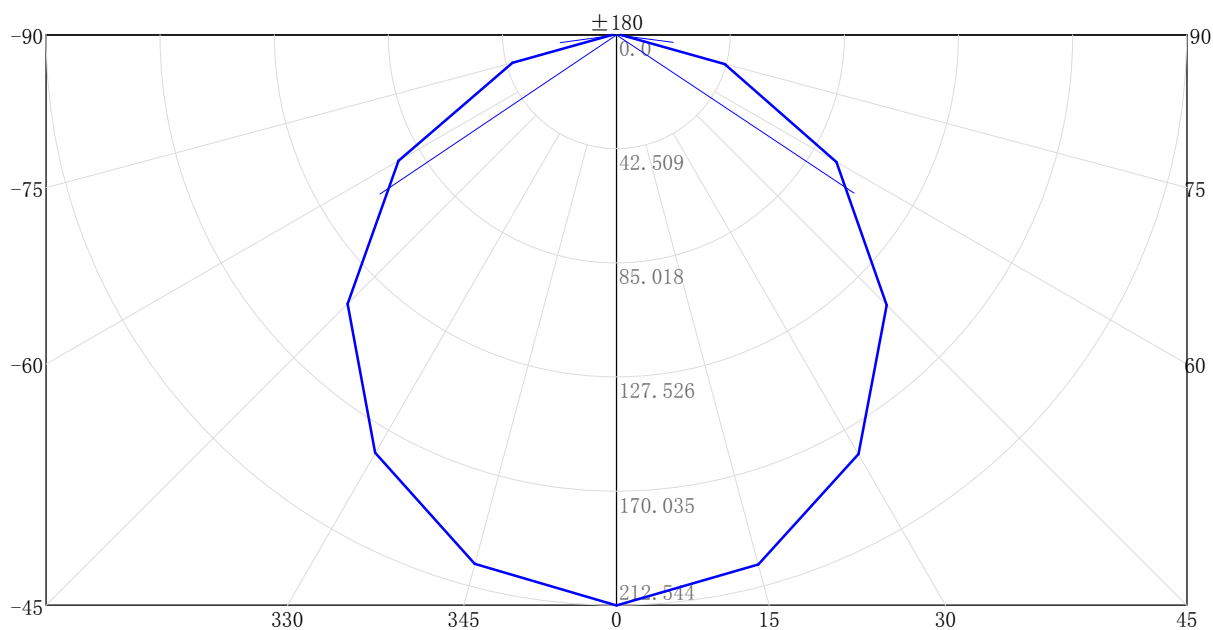
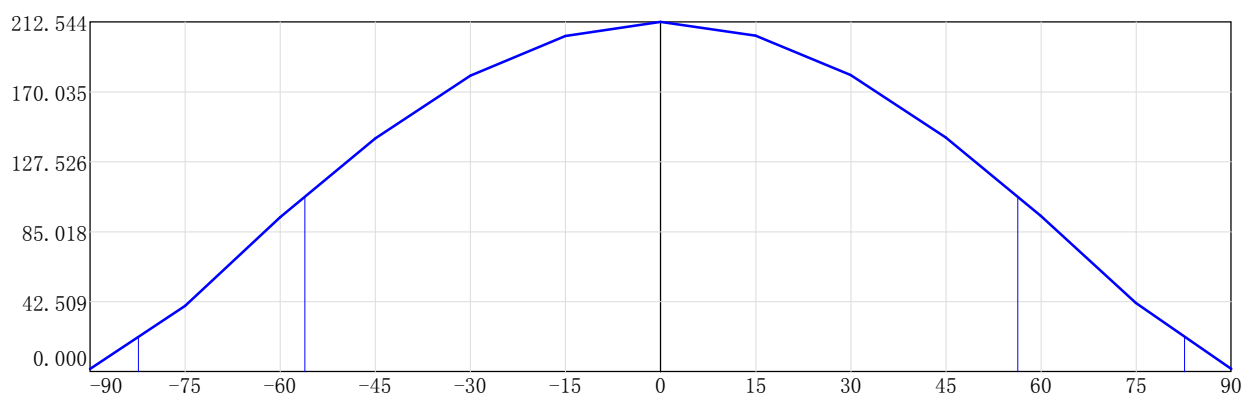
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2D Plane Light Intensity Distribution Curve

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	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:
112.5
165.0

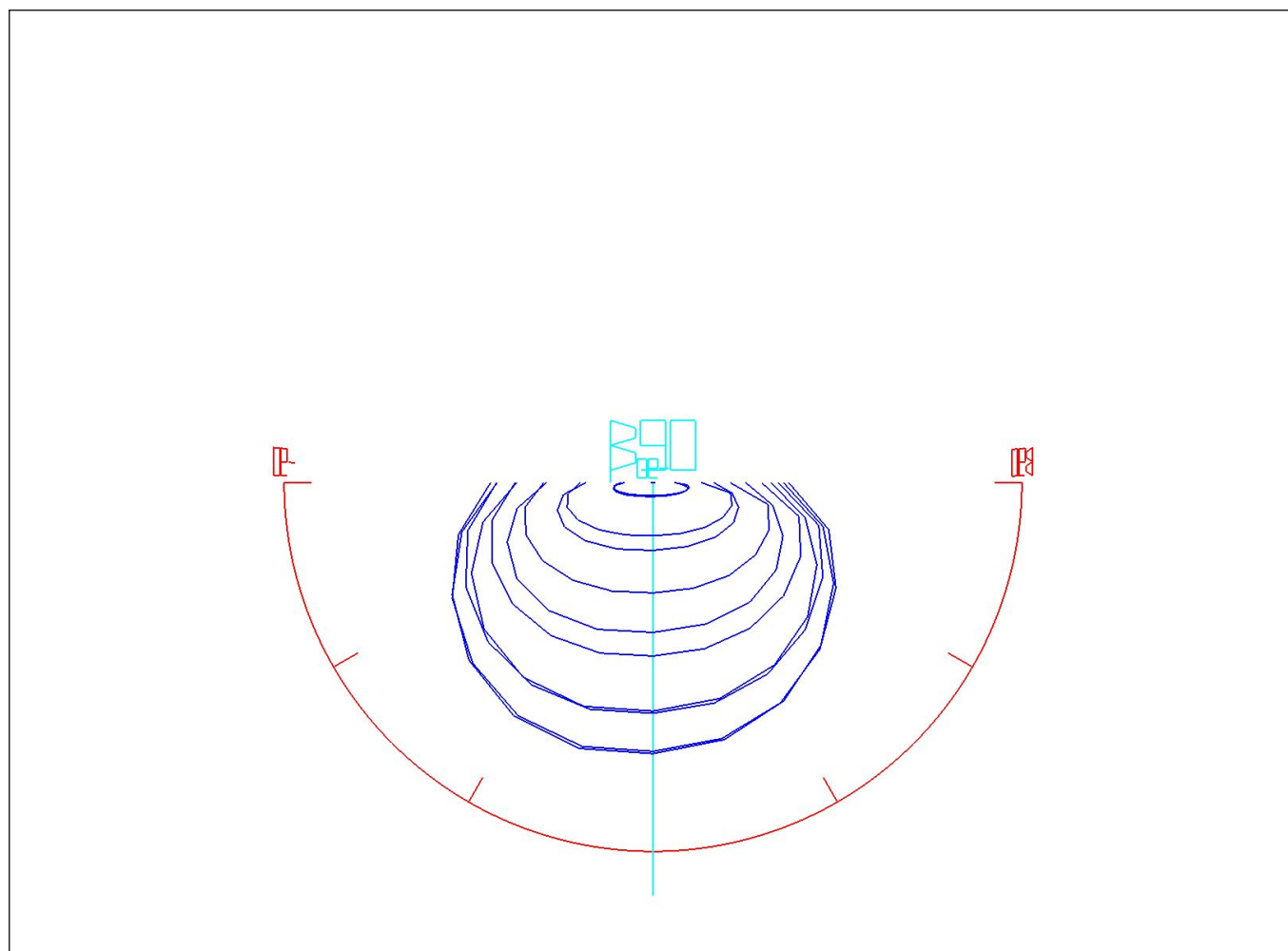
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3D Light Intensity Distribution Modal

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	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	0.12	1.14	3.24	5.80	8.08	9.42	9.42	8.11	5.84	3.30	1.20	0.13	
B-60.0	0.15	1.41	3.95	6.98	9.66	11.23	11.23	9.66	6.97	3.95	1.43	0.16	
B-45.0	0.17	1.59	4.43	7.83	10.85	12.61	12.61	10.85	7.84	4.44	1.61	0.18	
B-30.0	0.18	1.71	4.75	8.41	11.66	13.57	13.57	11.68	8.43	4.77	1.73	0.19	
B-15.0	0.19	1.75	4.88	8.67	12.04	14.02	14.03	12.06	8.70	4.91	1.78	0.19	
B0.0	0.18	1.74	4.86	8.64	12.01	13.99	14.01	12.04	8.68	4.89	1.77	0.19	
B15.0	0.18	1.71	4.78	8.51	11.83	13.78	13.80	11.86	8.55	4.82	1.75	0.19	
B30.0	0.18	1.66	4.66	8.29	11.51	13.41	13.42	11.55	8.34	4.71	1.71	0.19	
B45.0	0.17	1.58	4.41	7.83	10.86	12.65	12.66	10.90	7.88	4.46	1.62	0.18	
B60.0	0.15	1.44	4.02	7.14	9.90	11.52	11.54	9.94	7.19	4.07	1.49	0.16	
B75.0	0.13	1.24	3.52	6.27	8.70	10.13	10.14	8.73	6.32	3.58	1.31	0.14	
B90.0	0.10	0.99	2.87	5.11	7.07	8.19	8.13	6.91	4.88	2.67	0.96	0.11	
Total	1.91	17.95	50.38	89.50	124.18	144.51	144.56	124.29	89.61	50.58	18.35	2.01	

β 90.0	Total
B-90.0	55.81
B-75.0	66.77
B-60.0	75.02
B-45.0	80.66
B-30.0	83.21
B-15.0	83.02
B0.0	81.77
B15.0	79.61
B30.0	75.20
B45.0	68.57
B60.0	60.21
B75.0	47.98
B90.0	
Total	857.84

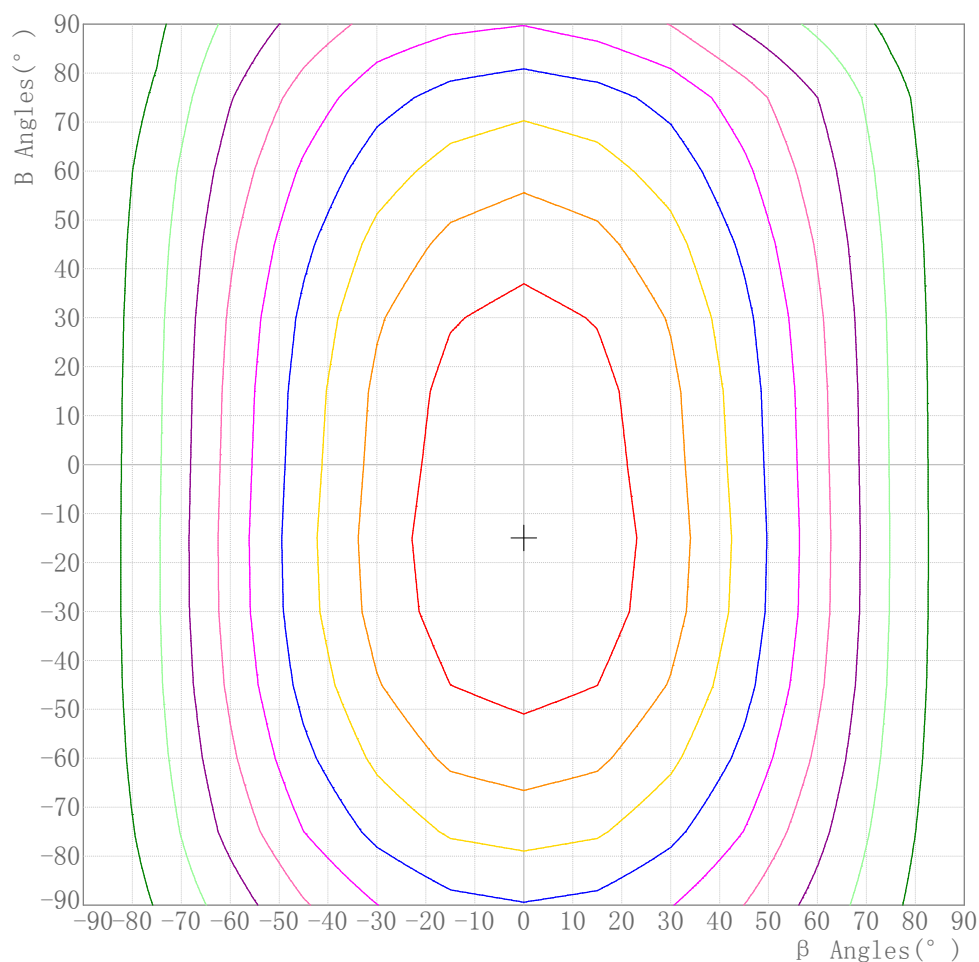
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Photometric Filename:CP19060954 HCP-3763145.IES

Rectangle ISO Lighting Intensity Diagram

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

ISO Lighting Intensity Curve



Curves:

[Unit: cd]

[IMax] =212.544

— [IMax*90%]=191.290

— [IMax*80%]=170.035

— [IMax*70%]=148.781

— [IMax*60%]=127.526

— [IMax*50%]=106.272

— [IMax*40%]=85.018

— [IMax*30%]=63.763

— [IMax*20%]=42.509

— [IMax*10%]=21.254

Maximum Light Intensity(cd): 212.54

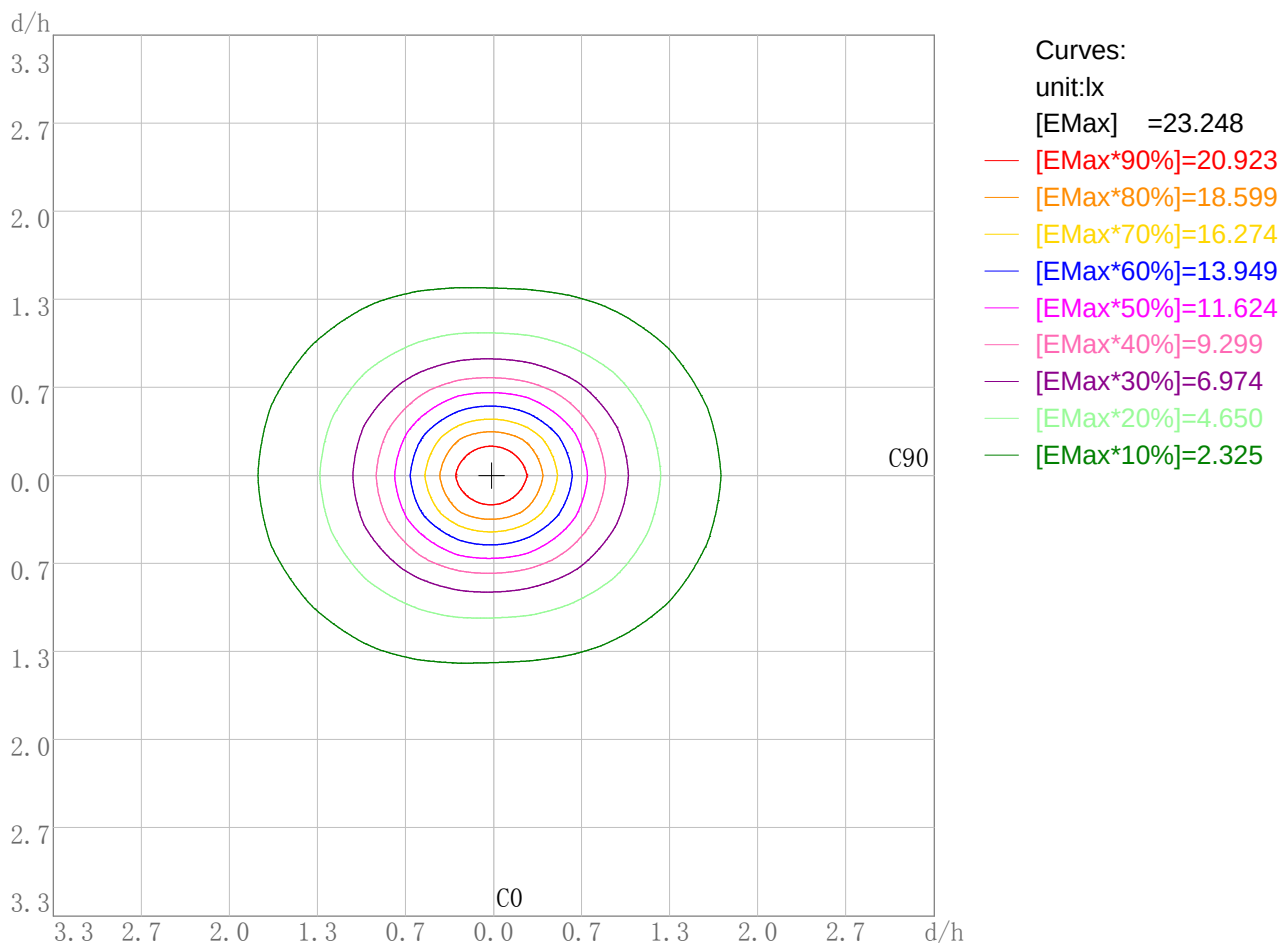
Maximum Cand.@Angle: H=0.0°,V=-15.0°

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Plane ISO-Illuminance Diagram

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
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Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

Plane ISO-Illuminance Curve

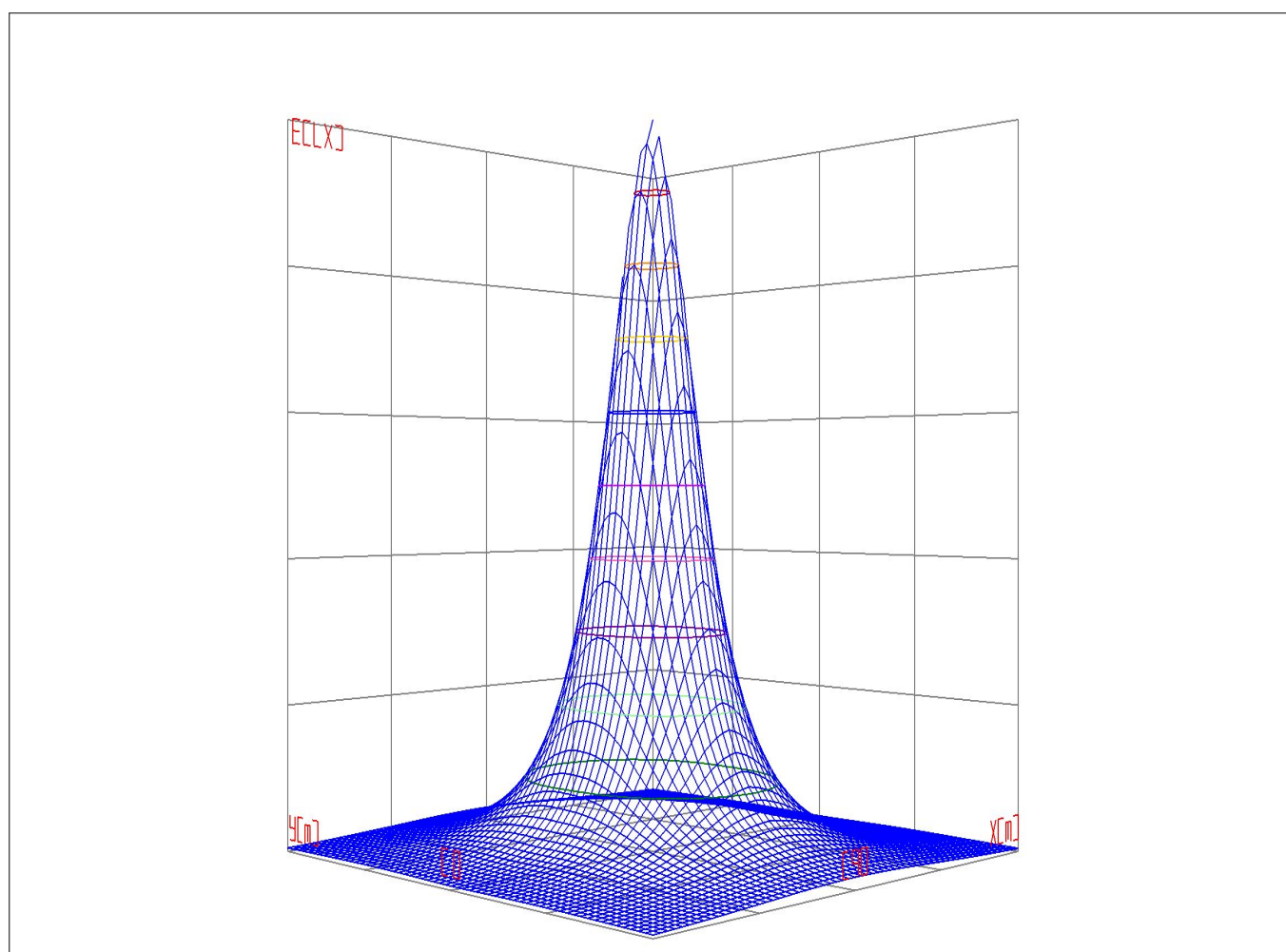


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 23.25
Working Plane Maximum Illuminance Position(d/h):H-0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	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

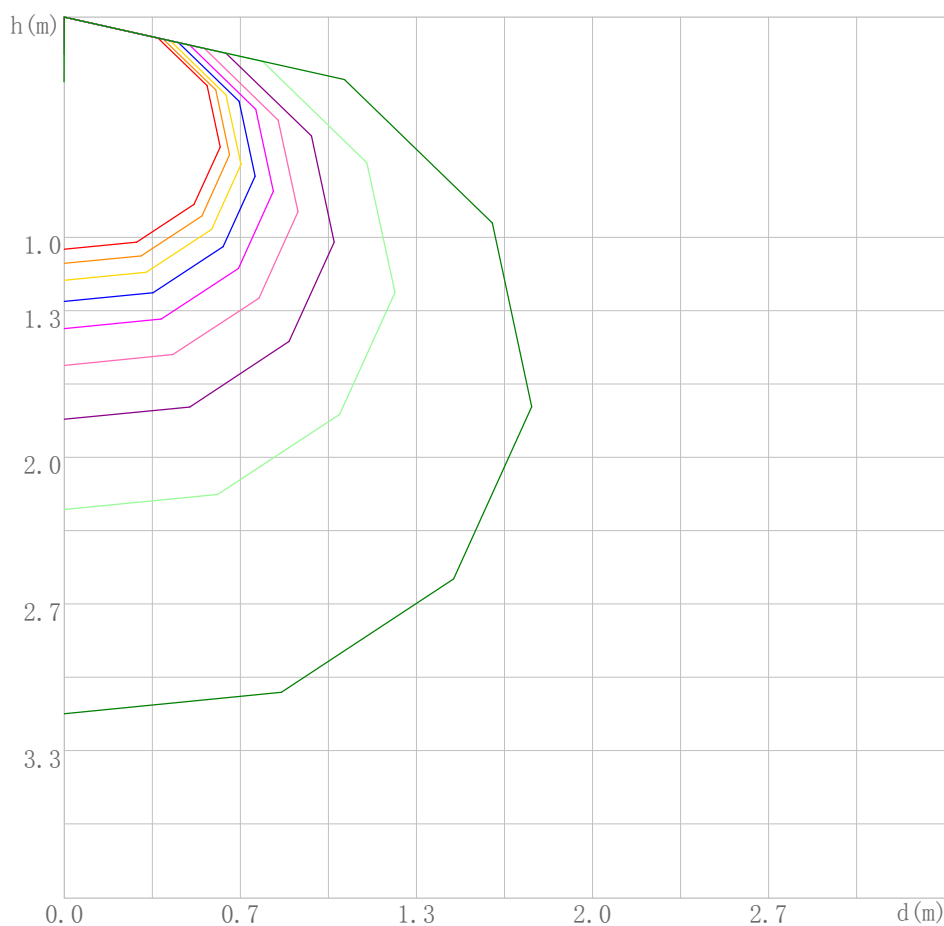
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Space ISO Illuminance Diagram

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

Space ISO Illuminance Curve



Curves:
 [Unit: lx]
 [EMax] = 200.554
 — [EMax*90%]=180.499
 — [EMax*80%]=160.443
 — [EMax*70%]=140.388
 — [EMax*60%]=120.332
 — [EMax*50%]=100.277
 — [EMax*40%]=80.222
 — [EMax*30%]=60.166
 — [EMax*20%]=40.111
 — [EMax*10%]=20.055

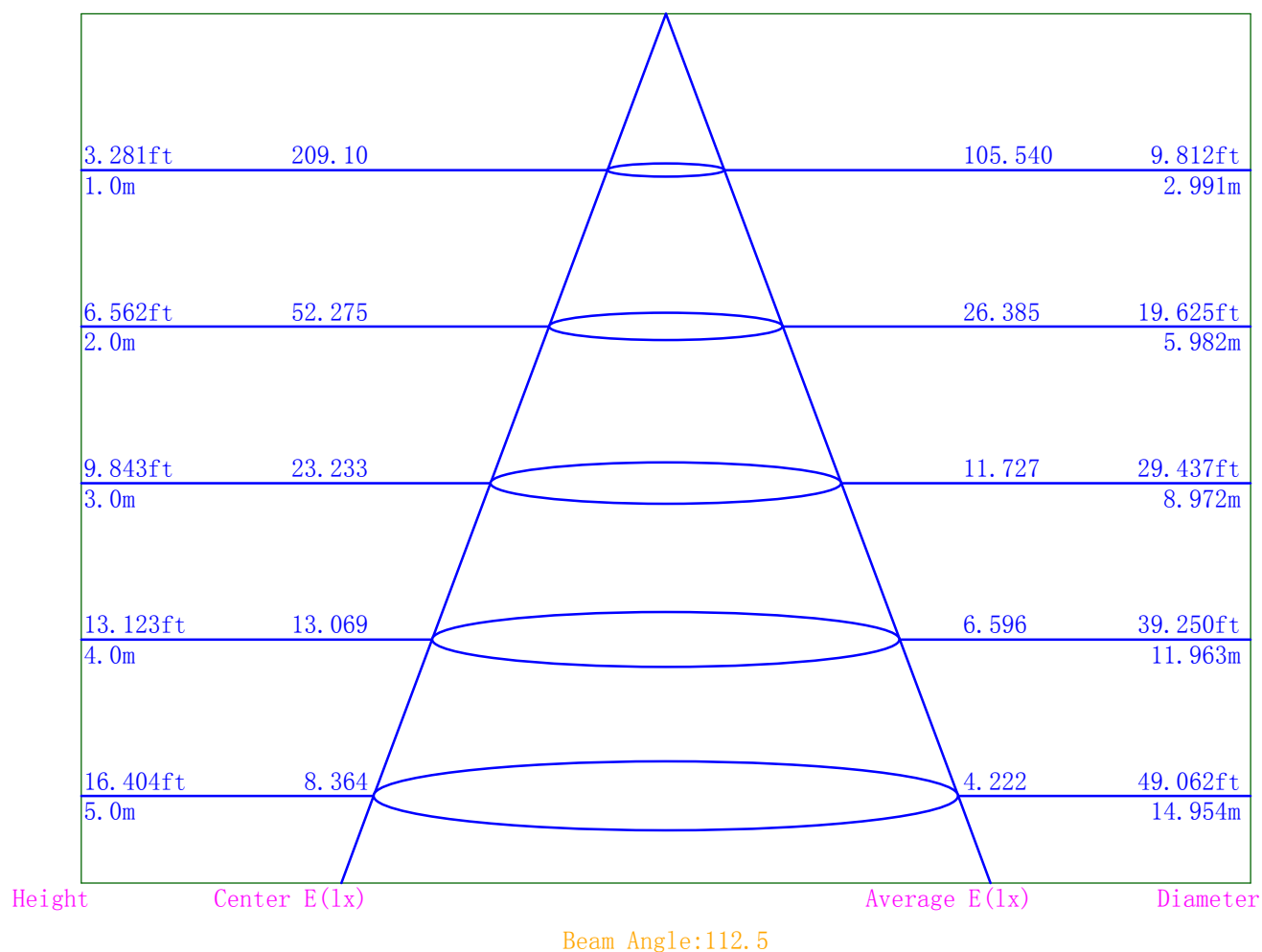
Space Plane Maximum Illuminance and @Angle:200.55lx,0.0deg
 Plane Maximum Lighting Intensity and @Angle:209.101cd,0deg

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Illuminance-Distance Diagram

Lum. Name: HCP-3763145	Lum. Catalog:	Test ID:
Lamp Name: 2835 5000K	Lamp Catalog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine: GON-2000	Test Date: 2019/06/28

Illuminance-Distance Curve



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	1.69	22.37	52.24	82.82	105.95	121.24	126.31	121.63	107.30	84.96	56.53	25.00
B-75.0	1.69	29.82	70.36	106.14	133.24	151.55	156.80	151.51	133.02	105.90	70.18	31.18
B-60.0	1.69	35.03	81.14	122.07	153.27	174.05	180.31	174.07	153.20	122.05	81.24	36.12
B-45.0	1.69	38.47	89.12	134.03	168.58	191.30	198.52	191.45	168.76	134.32	89.49	39.67
B-30.0	1.69	40.01	93.28	140.58	177.59	201.48	209.56	201.72	177.95	141.07	93.90	41.42
B-15.0	1.69	40.13	93.84	141.77	179.79	203.93	212.54	204.23	180.24	142.39	94.65	41.72
B0.0	1.69	39.35	92.27	139.39	176.81	200.55	209.10	200.93	177.44	140.18	93.33	41.24
B15.0	1.69	38.55	90.74	137.33	174.31	197.73	206.24	198.17	175.08	138.32	92.05	40.69
B30.0	1.69	37.16	87.63	132.15	167.59	189.64	198.02	190.04	168.35	133.17	89.03	39.43
B45.0	1.69	34.62	81.59	122.56	155.52	175.53	183.47	175.97	156.17	123.57	82.98	36.92
B60.0	1.69	30.83	73.01	109.61	139.21	157.01	164.29	157.40	139.91	110.64	74.46	33.20
B75.0	1.69	23.85	62.40	93.82	119.66	135.03	141.59	135.46	120.47	94.94	63.84	28.34
B90.0	1.69	17.42	47.24	72.00	91.77	101.47	105.57	97.43	84.40	60.04	37.70	16.63

V/H	β 90.0
B-90.0	1.73
B-75.0	1.73
B-60.0	1.73
B-45.0	1.73
B-30.0	1.73
B-15.0	1.73
B0.0	1.73
B15.0	1.73
B30.0	1.73
B45.0	1.73
B60.0	1.73
B75.0	1.73
B90.0	1.73