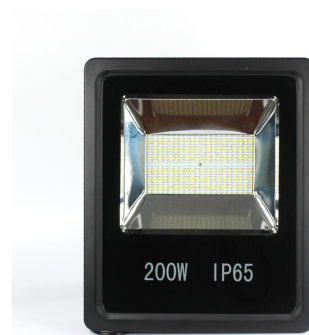


FLOOD LIGHT-200W



SECTION 1: GENERAL DESCRIPTION (FIXTURE AND DRIVER)

Model:	VOL-FL-200-CW
Voltage:	85-277V
Power:	200W
Base Material:	Aluminum
Light Output:	20000 Lumens
Beam Angle:	120 Degrees
Correlated Colour Temperature (CCT):	6000- 6500K Cool White
Fixture Lifespan:	50,000 Hours (10+ years at 12 hours per day)
IP Rating:	65
Dimensions:	373x370x115mm
Lamp Efficiency:	>90%

SECTION 2: CERTIFICATIONS MET

- 1) UL Listing : Underwriters Laboratory testing for dependable reliability and lifespan of fixture.
- 2) RoHS Certification: Restriction of Hazardous Substances- Ensuring no toxic chemicals or materials are used in the manufacture.
- 3) CE Certification: Conformity European, Ensuring that this product can be within the strictest standards of Europe.

SECTION 3: LIGHT SOURCE DESCRIPTION (LED CHIP)

LED Type :	SMD
Number of LEDs:	400

SECTION 4: COMPARABLE OLDER LIGHT SOURCE

1600w Metal Halide Flood	Flood 200W Fixture
1600 Watts Power	200 Watts Power
8,000 Hour Lifespan	50,000 Hour Lifespan
Carries no warranty	Carries warranty
Contains deadly mercury gas	RoHS certified for no toxic components
Does not function well in cold environments	Works perfectly down to -20°C

Flood Luminaire Photometric Data

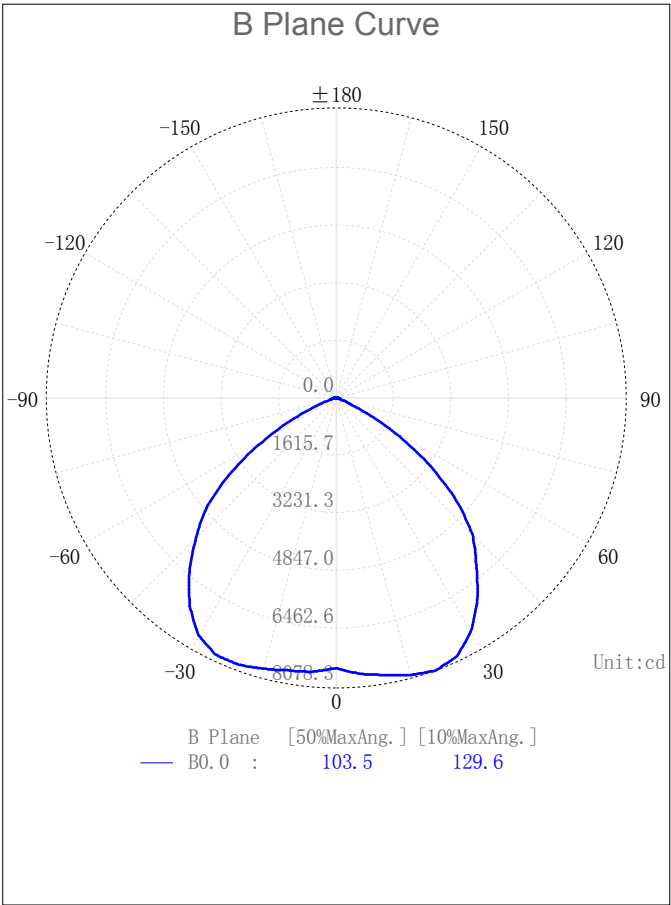
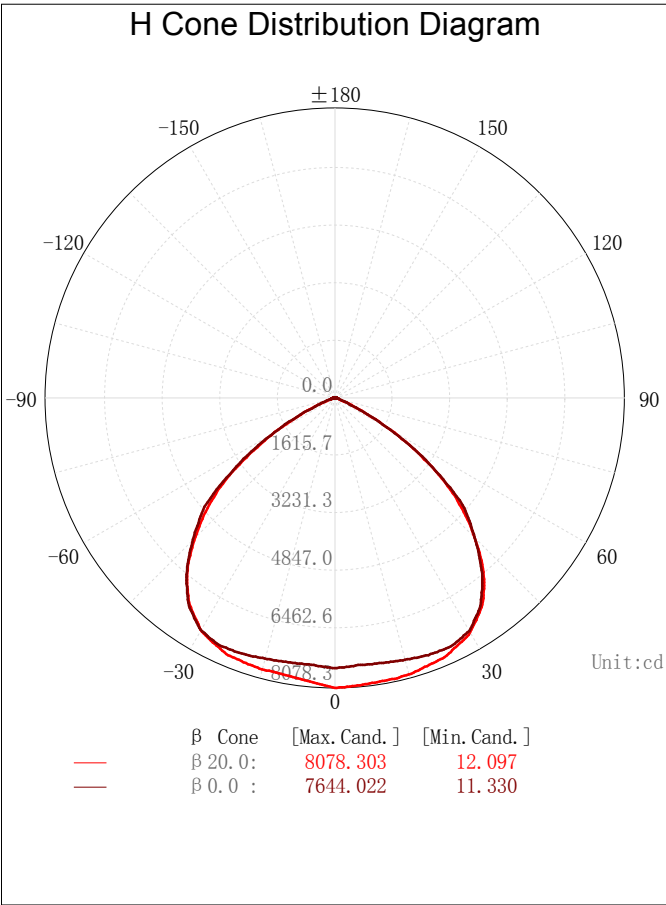
Description Information

Luminary Name: 200W-SMD		Lum. Catalog:	Test ID:
		Lamp Catalog: LED	Test Date: 2014/11/06
Manufacture:		Shld. Ang(°) :	Test Machine:GON-2000
Test Lab:		Frequency(Hz) :	Lamp CCT(K) : Ra:
Lum. Size(W*L*H) :0.330m*0.459m*0.177m		Lum. Area(m2) :0.233	Lum. W(kg) : 8.000
Test System: C, γ	Test Step: C=30.0 γ=5.0	Temp. (°C): 25	Humidity(%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	20000.000	Luminary Flux(lm):	20004.650
Rated Power(W):		Luminary Efficiency:	100.02%
Rated Voltage(V):		Luminary EER(lm/W):	96.501
Tested Power(W):	207.300	Max. Candela(cd):	8078.303
Lamps' Inside:	1	Max Cand@Ang. (°) :	B=0.0 β=20.0
Tested Electrics(V, A, pf):	220.7, 0.961, 0.977	Beam Angle(50%)(V, H):	103.3(°), 103.5(°)
Lamp Size(W*L*H) :0.330m*0.459m*0.177m		Field Angle(10%)(V, H):	129.3(°), 129.6(°)

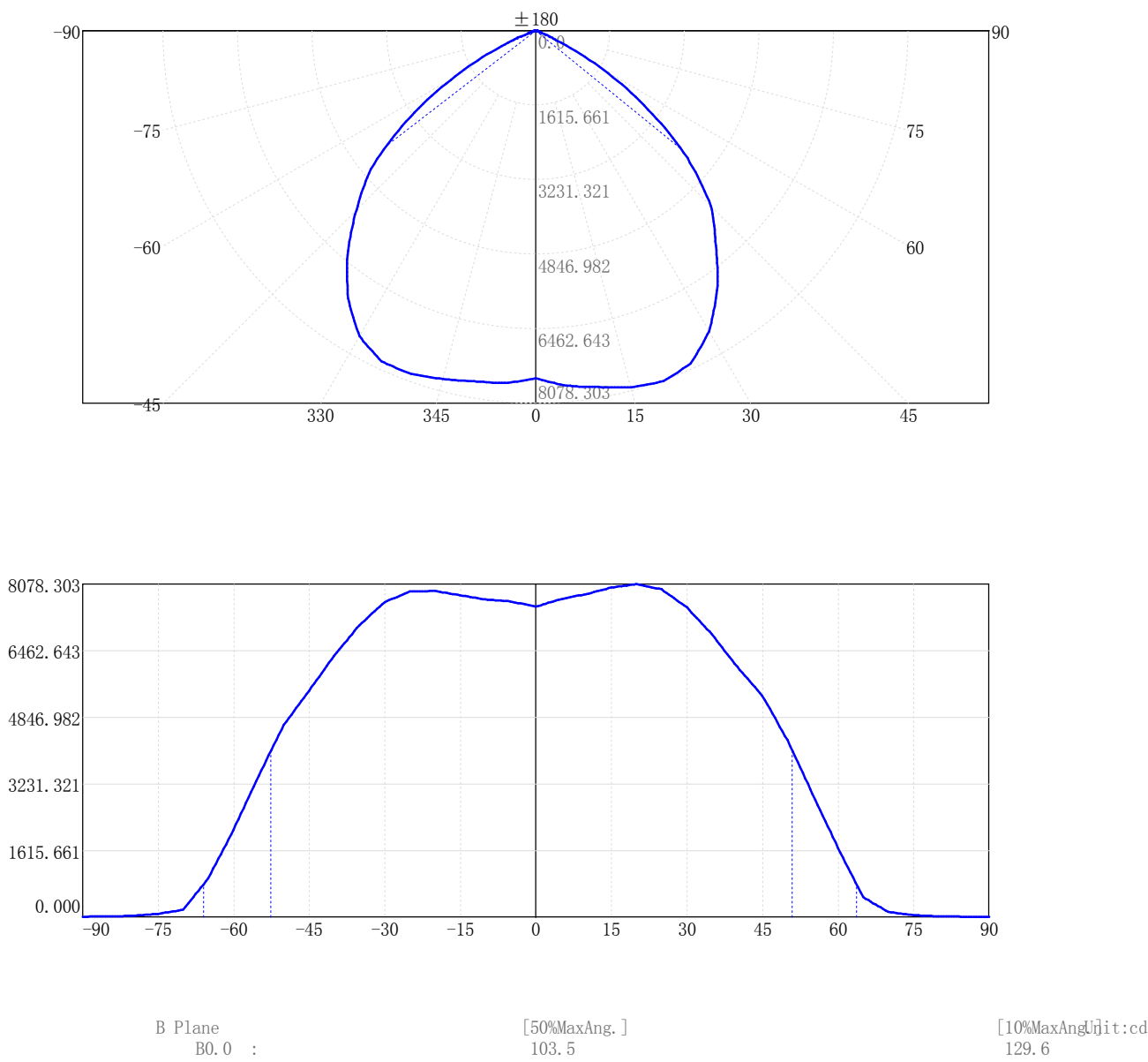
Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

Lum. Name: 200W-SMD	Lum. Catalog:	Test ID:
	Lamp Catalog: LED	
Manufacture:	Test Machine:GON-2000	Test Date: 2014/11/06

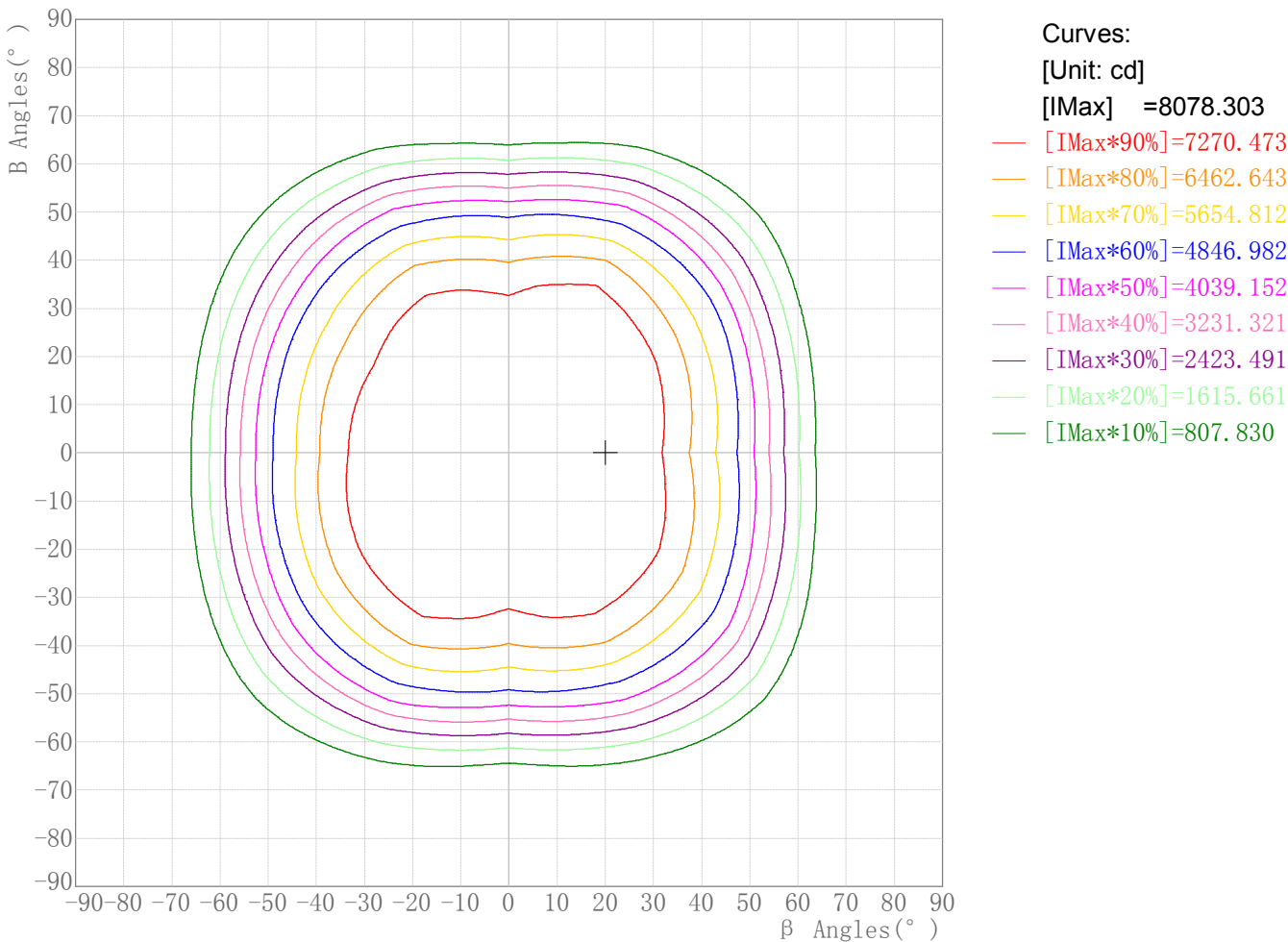
B Plane Distribution Diagram



Rectangle ISO Lighting Intensity Diagram

Lum. Name: 200W-SMD	Lum. Catelog:	Test ID:
	Lamp Catelog: LED	
Manufacture:	Test Machine:GON-2000	Test Date: 2014/11/06

ISO Lighting Intensity Curve

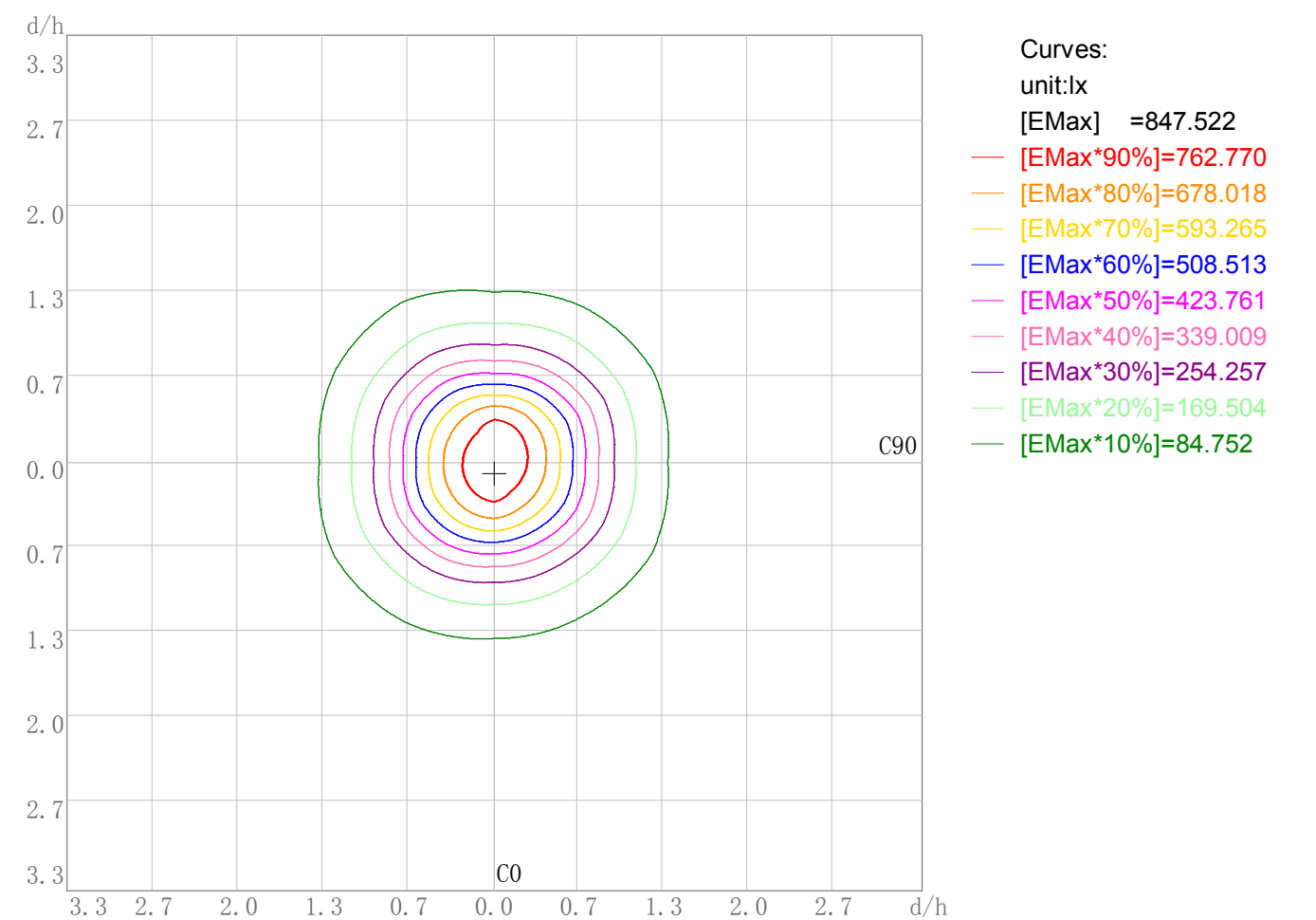


Maximum Light Intensity(cd): 8078.30
Maximum Cand.@Angle: H=20.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: 200W-SMD	Lum. Catelog:	Test ID:
	Lamp Catelog: LED	
Manufacture:	Test Machine:GON-2000	Test Date: 2014/11/06

Plane ISO-Illuminance Curve

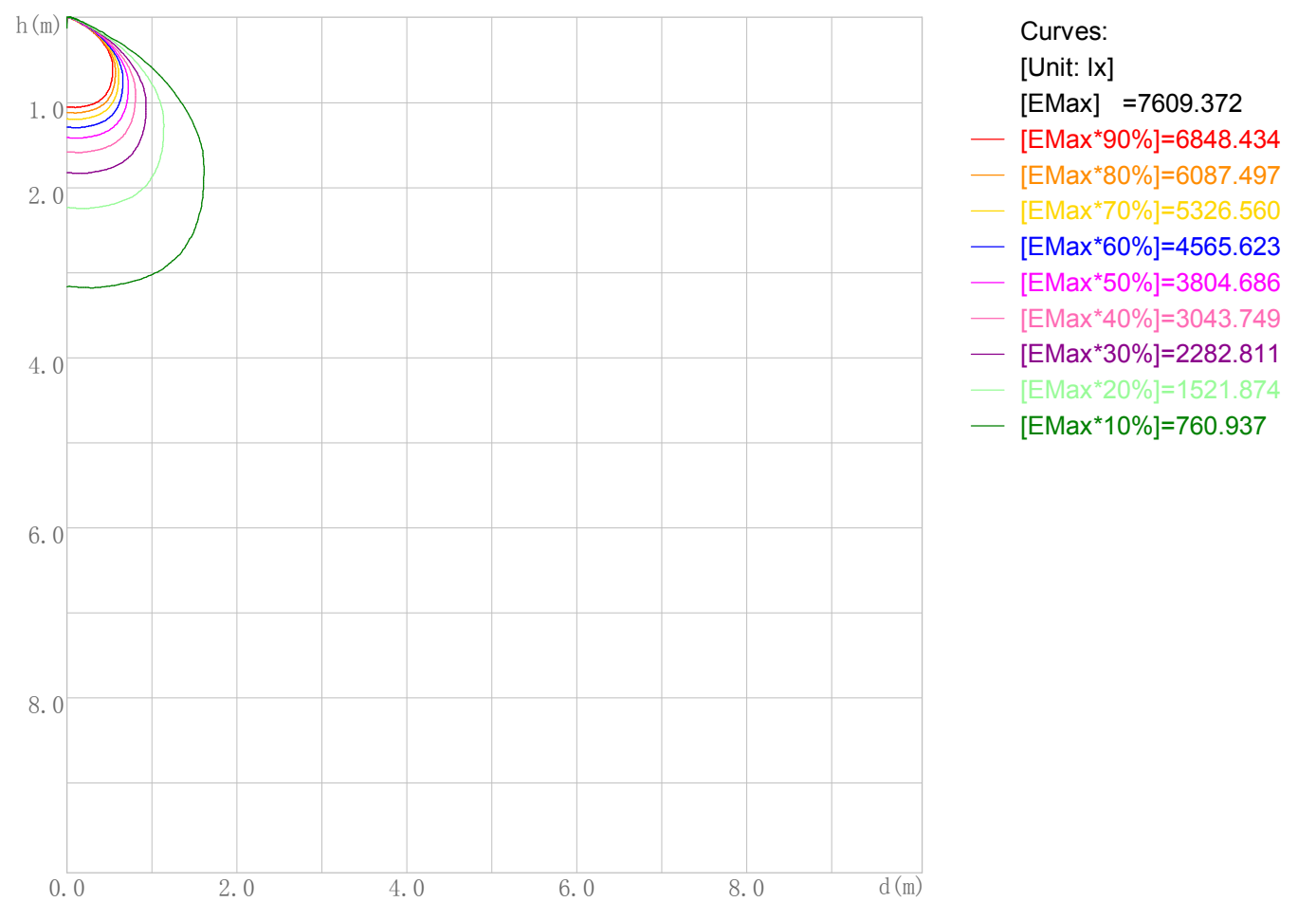


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 847.52
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

Space ISO Illuminance Diagram

Lum. Name: 200W-SMD	Lum. Catelog:	Test ID:
	Lamp Catelog: LED	
Manufacture:	Test Machine:GON-2000	Test Date: 2014/11/06

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:7609.37lx,5.5deg
Plane Maximum Lighting Intensity and @Angle:8078.303cd,0eg

Illuminance-Distance Diagram

Lum. Name: 200W-SMD	Lum. Catalog:	Test ID:
	Lamp Catalog: LED	
Manufacture:	Test Machine:GON-2000	Test Date: 2014/11/06

