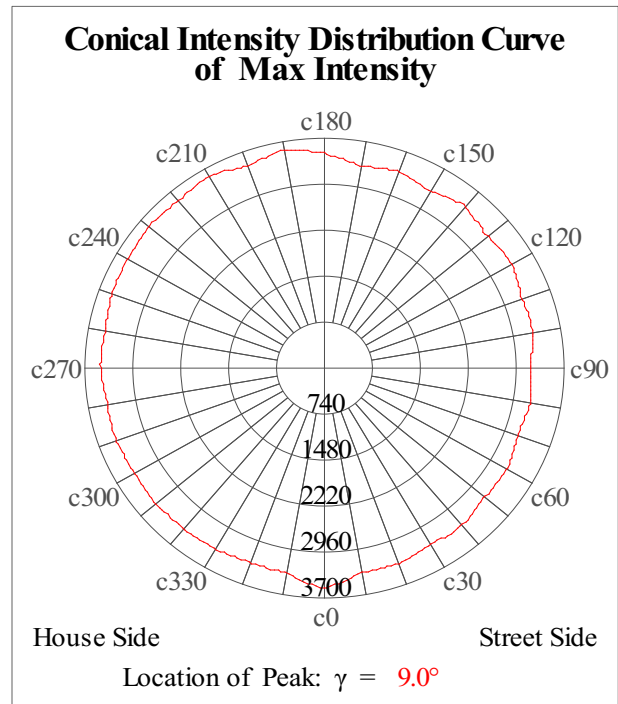
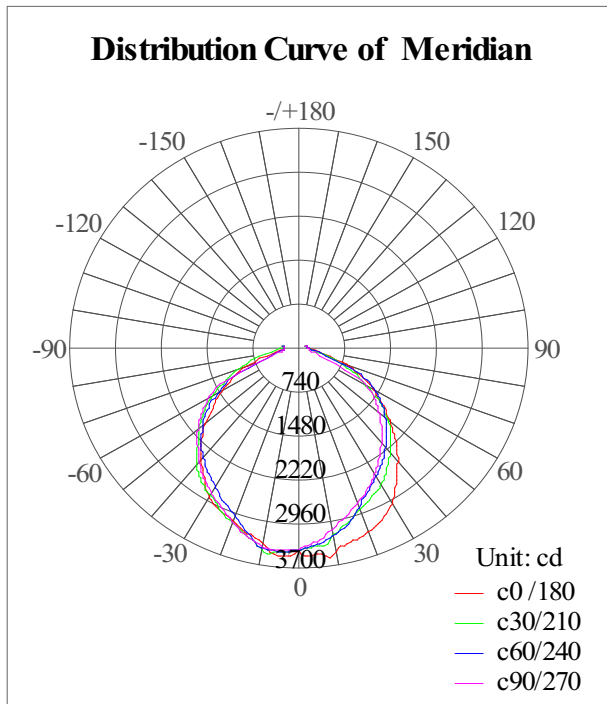




## Photometric Data of Lamp

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

Measured Data of Lamp			
Voltage: 219.6 V	Current: 0.437 A	Power: 94.7 W	Power Factor: 0.987
Total Flux	8777.90 lm	Central Intensity	3518.17 cd
Lamp Efficiency	0.00%	Light Efficiency	92.69 lm/W
Peak Intensity	3681.36 cd	Location of Peak(c,γ)	(0.0°, 9.0°)
Half-Intensity Angle	102.6°	BeamAngle	142.2°
Upward Light Ratio	0	Downward Light Ratio	100%
Upward Street Side	0	Downward Street Side	4125.67 lm
Upward House Side	0	Downward House Side	4652.37 lm
Flash Area(76°)	0 cm <sup>2</sup>	Discomfort Glare(SLI)	0

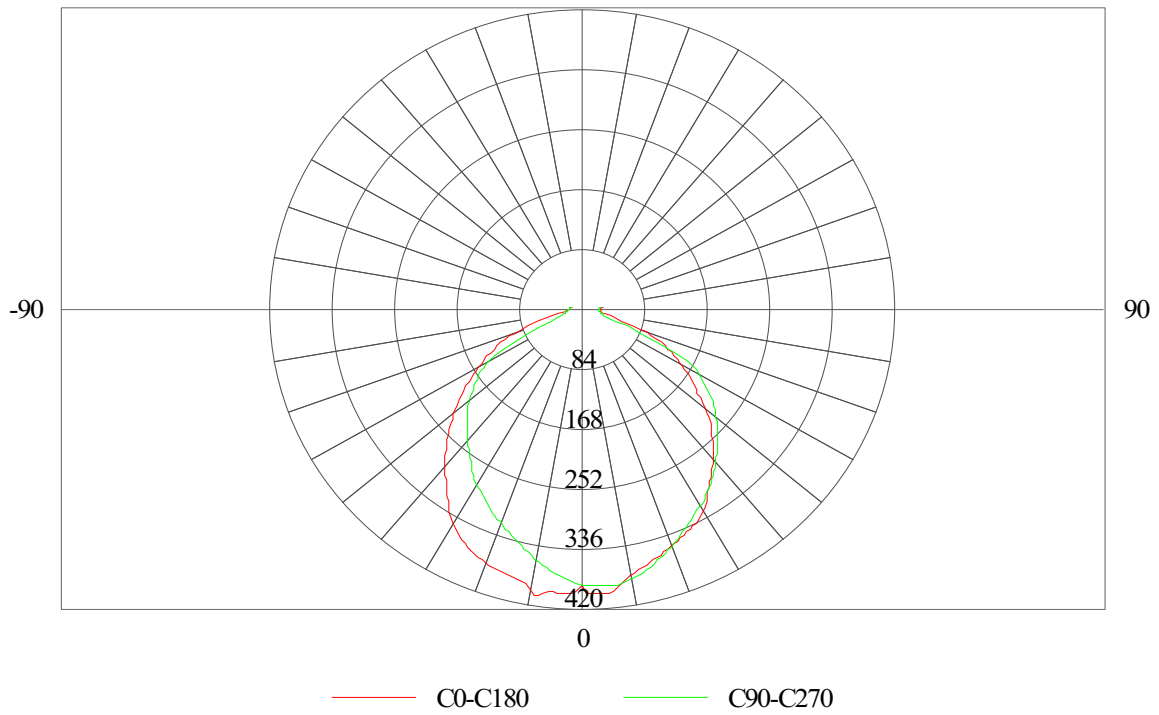


c Range: 0-360 Degree  
c Interval: 10 Degree  
Test Speed: Fast  
Test Distance: 5.0 m  
Note: notes

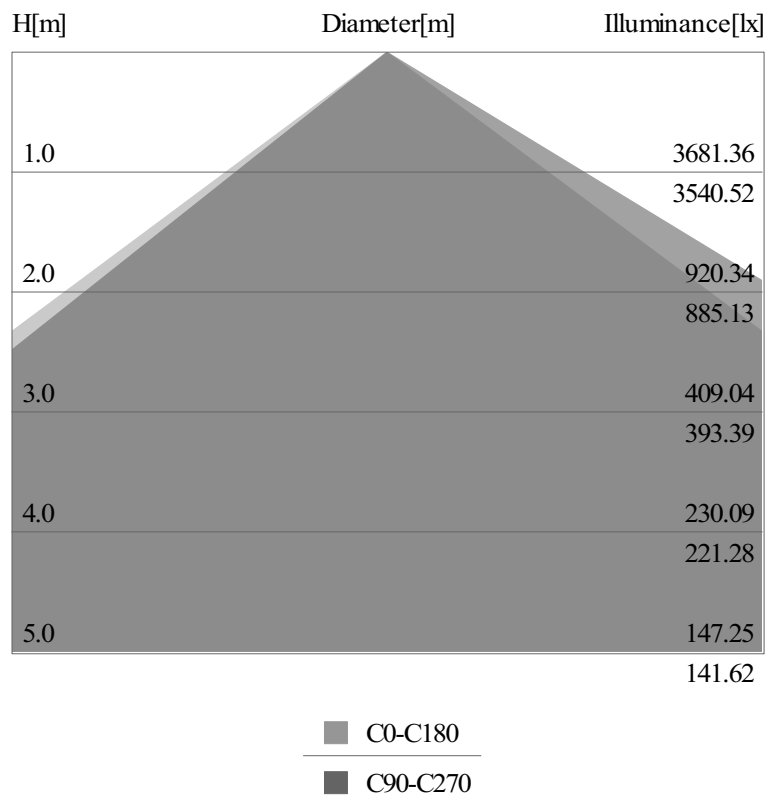
$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
Test Date: 2012-11-09  
Test Time: 12-51-18

Temperature: 25 Celsius  
Humidity: 65%  
Test No.: 001  
Tester:

### cd/1000 lm Curve

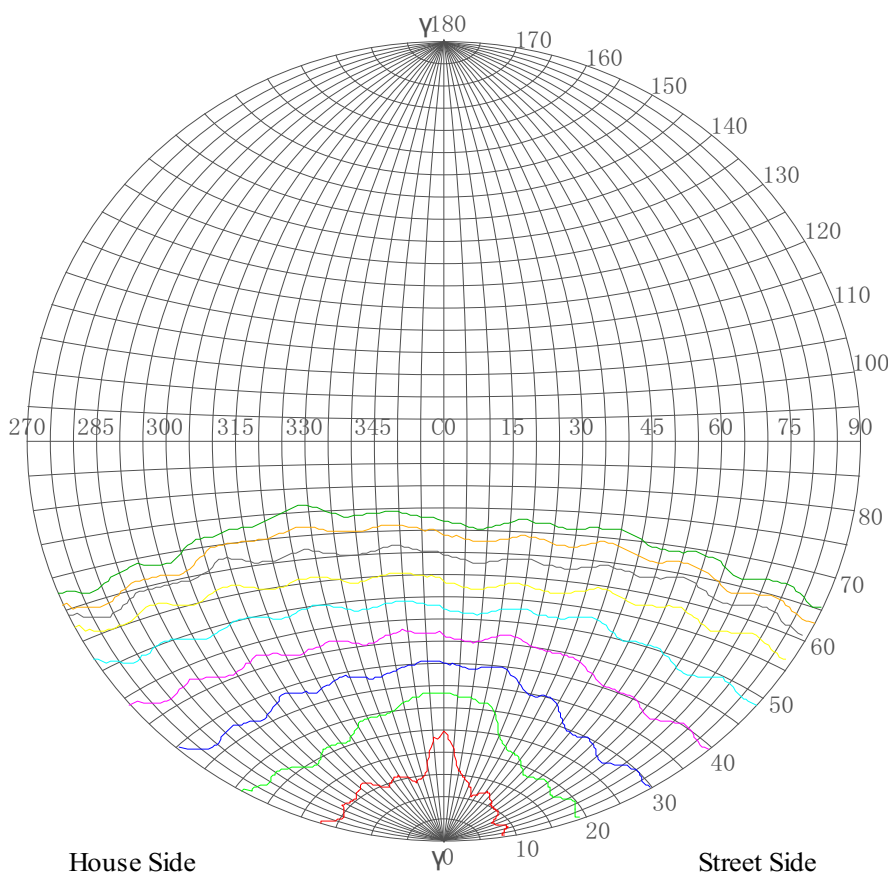


### Illumination Cone Curve



## Isocandela Curve of Road Lamp (Round Net Curve)

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:



### Road Lamp Type

CIE: semi-cut-off  
 CIE: short-narrow extension  
 IES: semi-cut-off  
 IES: II-very short  
 Max. At80: 27.30cd/klm  
 Max. At90: 30.6178cd/klm

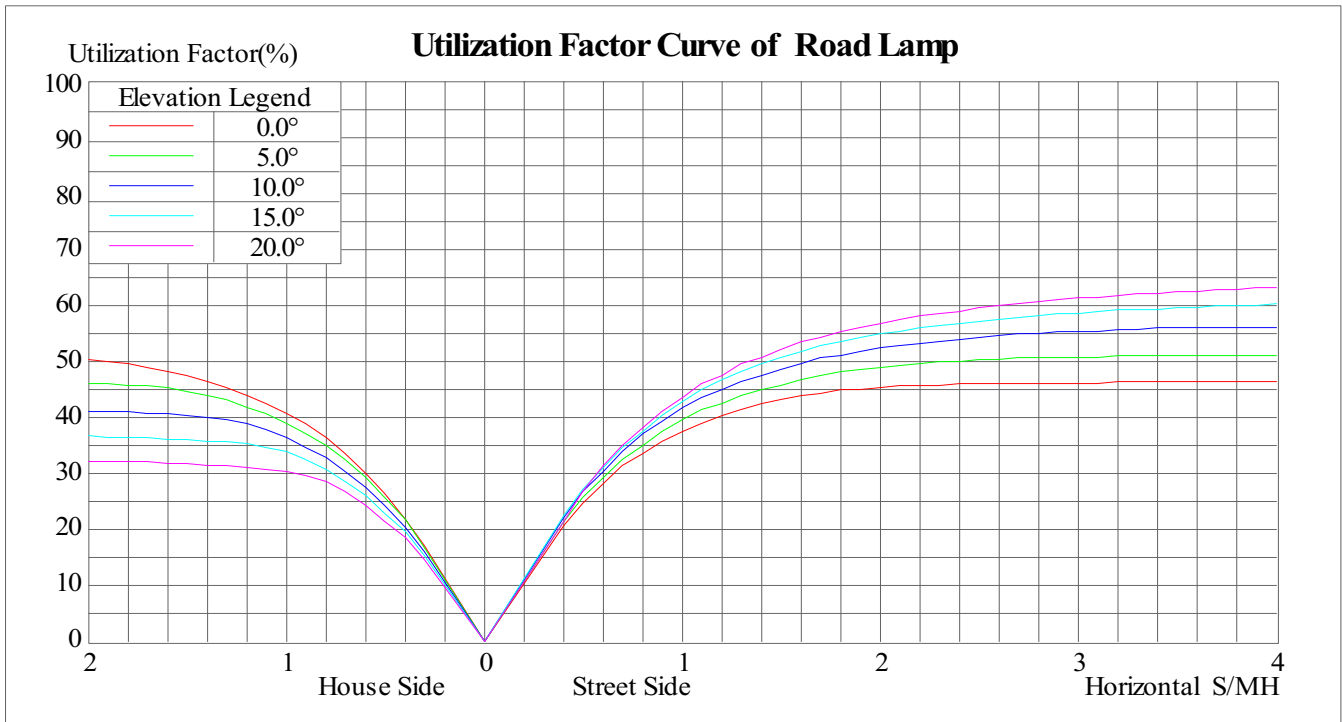
Isocandela Curve(Round Net)	
Intensity Unit	cd
Imax = 100%	3682
— 90%	3314
— 80%	2946
— 70%	2577
— 60%	2209
— 50%	1841
— 40%	1473
— 30%	1105
— 20%	737
— 10%	369

c Range: 0-360 Degree  
 c Interval: 10 Degree  
 Test Speed: Fast  
 Test Distance: 5.0 m  
 Note: notes

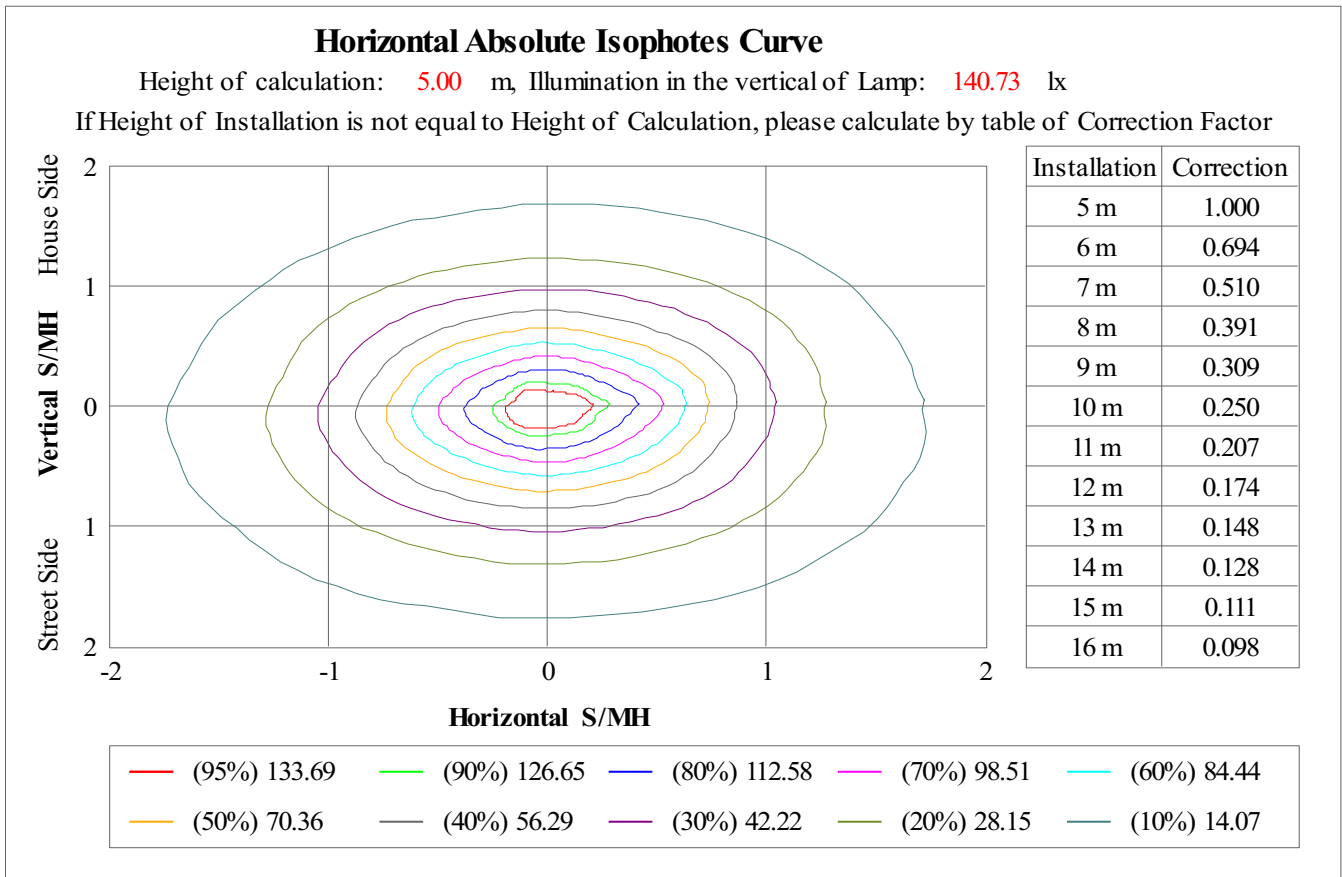
γ Range: 0-90 Degree  
 γ Interval: 0.9 Degree  
 Test Date: 2012-11-09  
 Test Time: 12-51-18

Temperature: 25 Celsius  
 Humidity: 65%  
 Test No.: 001  
 Tester:

## Lamp Utilization Factor Curve



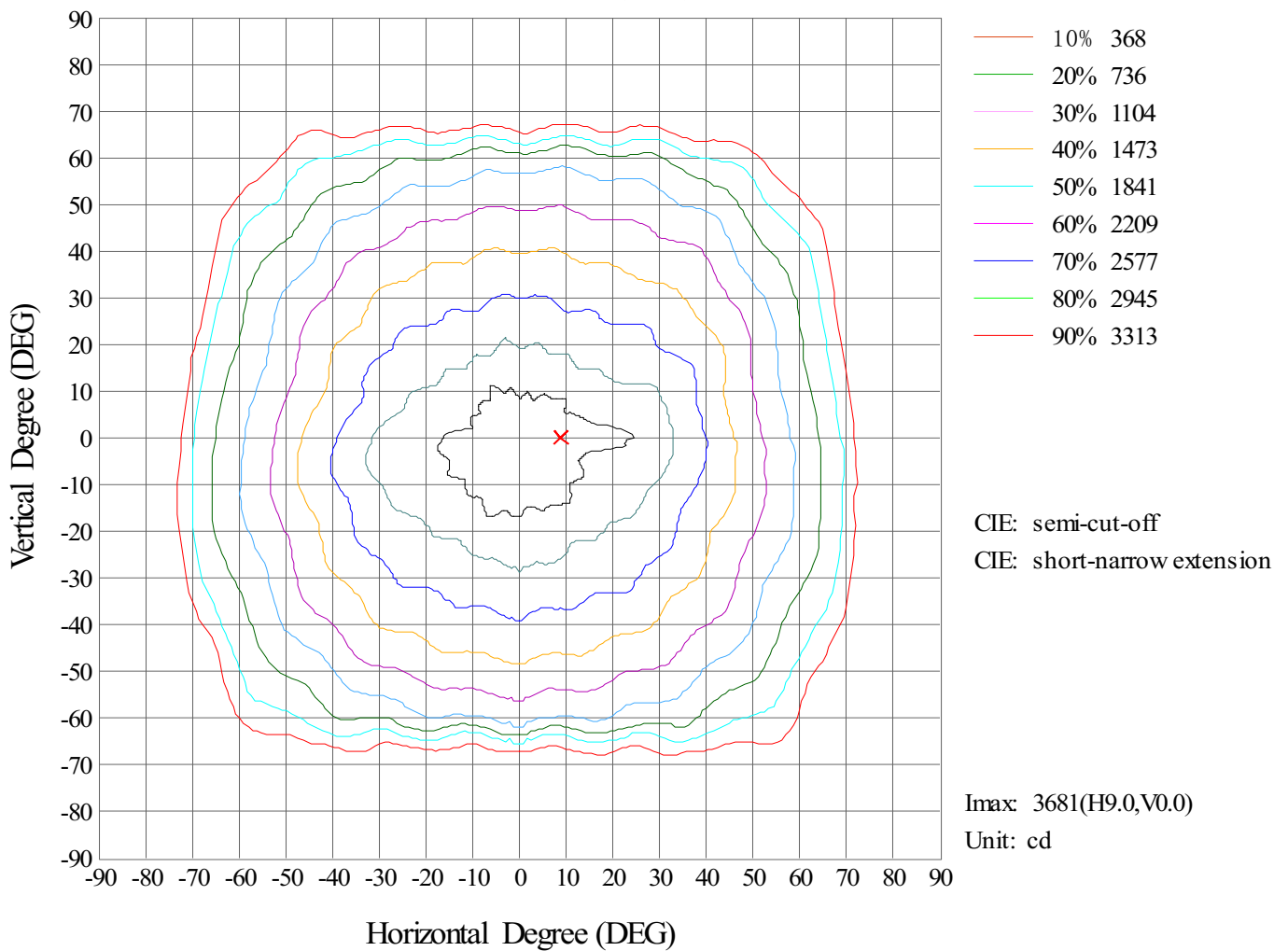
## Horizontal Isophotes Curve



## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

### Isocandela Curve(CIE)



c Range: 0-360 Degree  
 c Interval: 10 Degree  
 Test Speed: Fast  
 Test Distance: 5.0 m  
 Note: notes

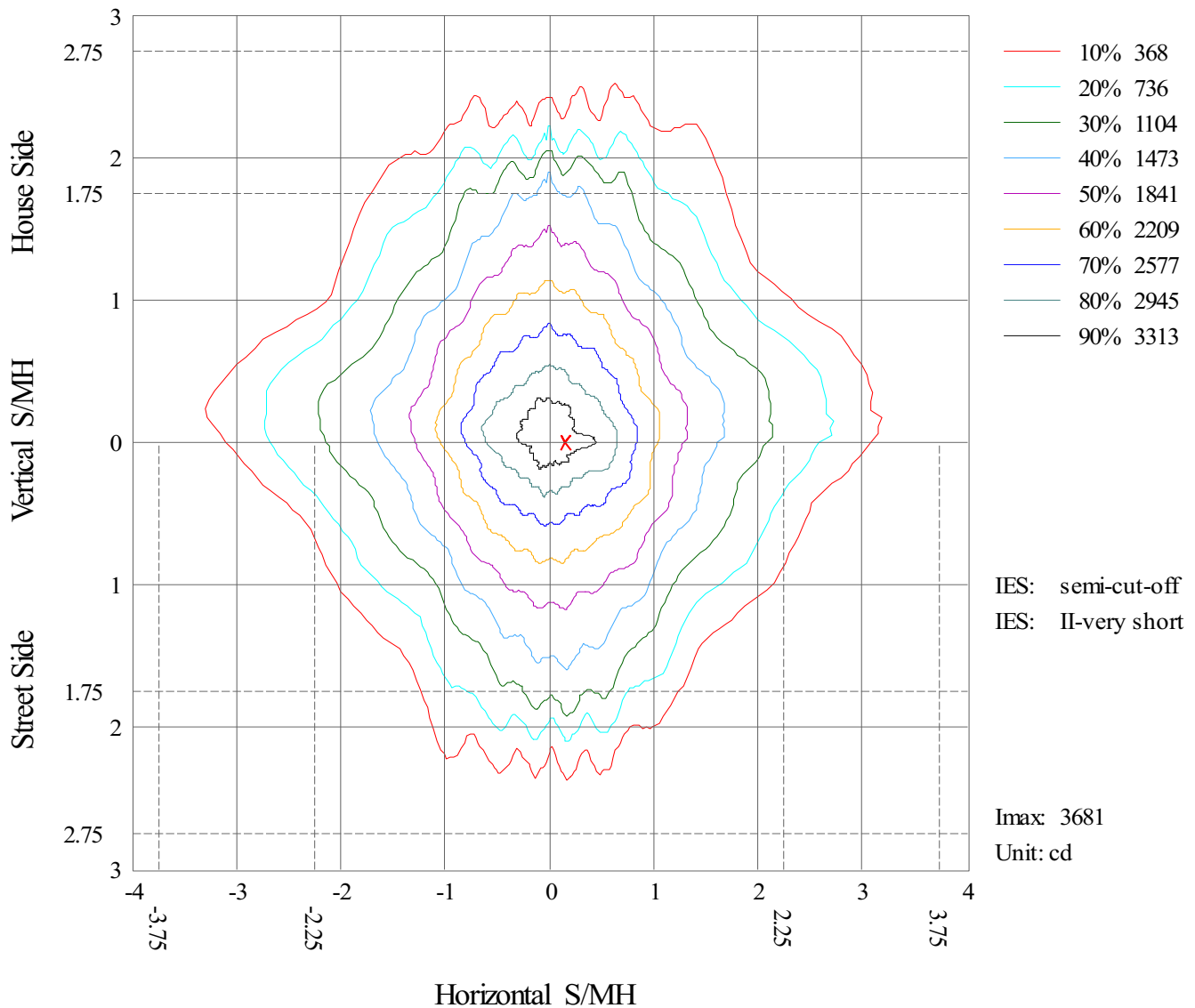
$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
 Test Date: 2012-11-09  
 Test Time: 12-51-18

Temperature: 25 Celsius  
 Humidity: 65%  
 Test No.: 001  
 Tester:

## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

### Isocandela Curve(IES)



c Range: 0-360 Degree  
 c Interval: 10 Degree  
 Test Speed: Fast  
 Test Distance: 5.0 m  
 Note: notes

$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
 Test Date: 2012-11-09  
 Test Time: 12-51-18

Temperature: 25 Celsius  
 Humidity: 65%  
 Test No.: 001  
 Tester:

## Lamp Ring with Flux

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

$\gamma$	C0	C90	C180	C270	$\gamma(^{\circ})$	$\Phi(\text{Ring})$	$\Phi(\text{Total})$	%
3.6	3619	3431	3633	3532	0.0-3.6	43.58	43.58	0.50
7.2	3650	3328	3574	3538	3.6-7.2	130.1	173.6	1.98
10.8	3566	3195	3418	3485	7.2-10.8	212.5	386.1	4.40
14.4	3499	3068	3337	3389	10.8-14.4	286.6	672.7	7.66
18.0	3454	2947	3253	3270	14.4-18.0	353.7	1026	11.69
21.6	3394	2841	3174	3157	18.0-21.6	526.7	1553	17.69
25.2	3306	2723	3093	3035	21.6-25.2	481.5	2035	23.18
28.8	3175	2593	3010	2926	25.2-28.8	527.4	2562	29.19
32.4	2986	2454	2849	2817	28.8-32.4	564.3	3126	35.61
36.0	2770	2302	2665	2691	32.4-36.0	590.1	3716	42.34
39.6	2591	2170	2503	2550	36.0-39.6	605.8	4322	49.24
43.2	2379	2019	2322	2409	39.6-43.2	611.5	4934	56.20
46.8	2162	1881	2150	2273	43.2-46.8	606.9	5541	63.12
50.4	1950	1718	1909	2115	46.8-50.4	591.1	6132	69.85
54.0	1714	1556	1688	1951	50.4-54.0	562.6	6694	76.26
57.6	1510	1360	1490	1760	54.0-57.6	521.4	7216	82.20
61.2	1295	897.1	1289	1541	57.6-61.2	461.9	7678	87.46
64.8	1063	316.0	1064	791.4	61.2-64.8	363.8	8041	91.61
68.4	783.7	192.8	771.7	293.0	64.8-68.4	243.5	8285	94.38
72.0	306.5	167.9	292.8	253.2	68.4-72.0	142.4	8427	96.01
75.6	160.1	149.9	236.7	235.7	72.0-75.6	65.57	8493	96.75
79.2	143.2	138.8	238.0	229.2	75.6-79.2	73.40	8566	97.59
82.8	127.5	128.6	245.2	227.4	79.2-82.8	70.61	8637	98.39
86.4	118.5	120.9	254.9	231.6	82.8-86.4	70.22	8707	99.19
90.0	111.4	114.5	268.8	238.9	86.4-90.0	70.86	8778	100.00
Unit: $^{\circ}$	Intensity Unit: cd				Unit: lm			

