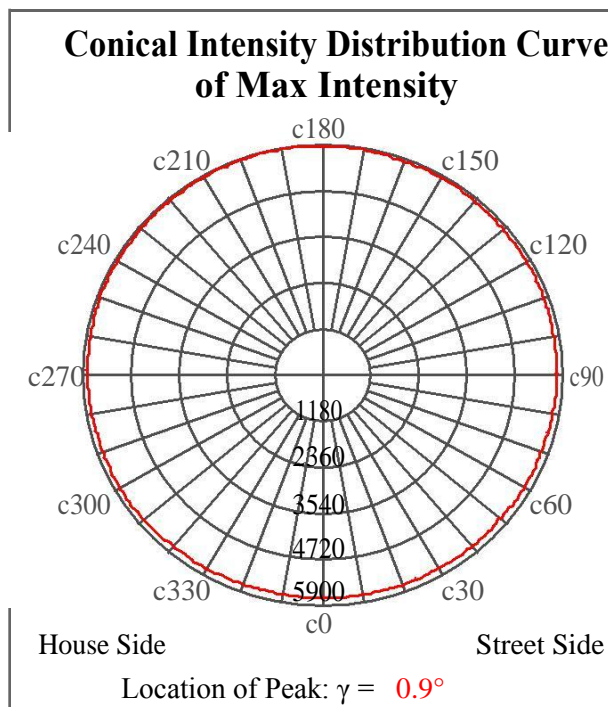
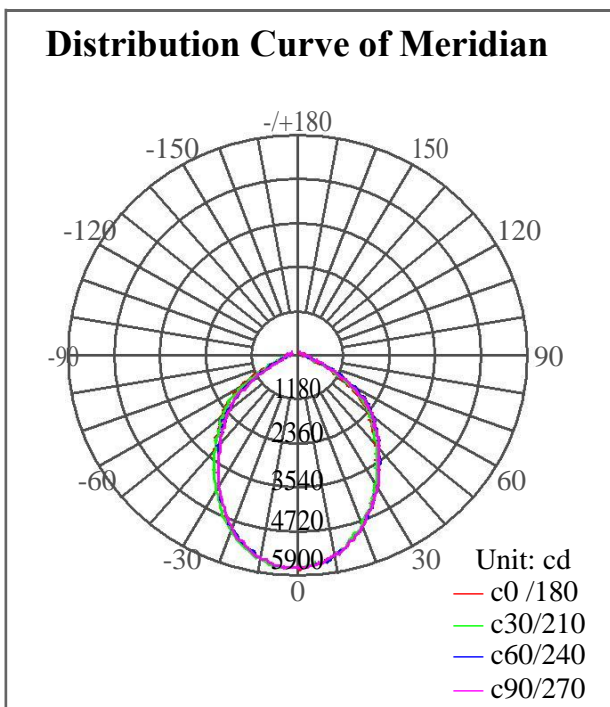


# Photometric Data of Lamp

Lamp Description		
Lamp Name: 150w tp	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage:	Rated Power: 150 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

Measured Data of Lamp			
Voltage: 223.8 V	Current: 0.688 A	Power: 150 W	Power Factor: 0.981
Total Flux	16500 lm	Central Intensity	7829.26 cd
Lamp Efficiency	0.00%	Light Efficiency	110 lm/W
Peak Intensity	5849.15 cd	Location of Peak(c,γ)	(120.0°, 0.9°)
Half-Intensity Angle	86.4°	Beam Angle	128.7°
Upward Light Ratio	0	Downward Light Ratio	100%
Upward Street Side	0	Downward Street Side	7722.74 lm
Upward House Side	0	Downward House Side	7239.15 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: 6.4 m  
 Note: notes

$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
 Test Date: 2017-04-30  
 Test Time: 14-40-45

Temperature:  
 Humidity:  
 Test No.:  
 Tester:

Архангельск (8182)63-90-72  
 Астана (7172)727-132  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Волгоград (844)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
 Ижевск (3412)26-03-58  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Липецк (4742)52-20-81

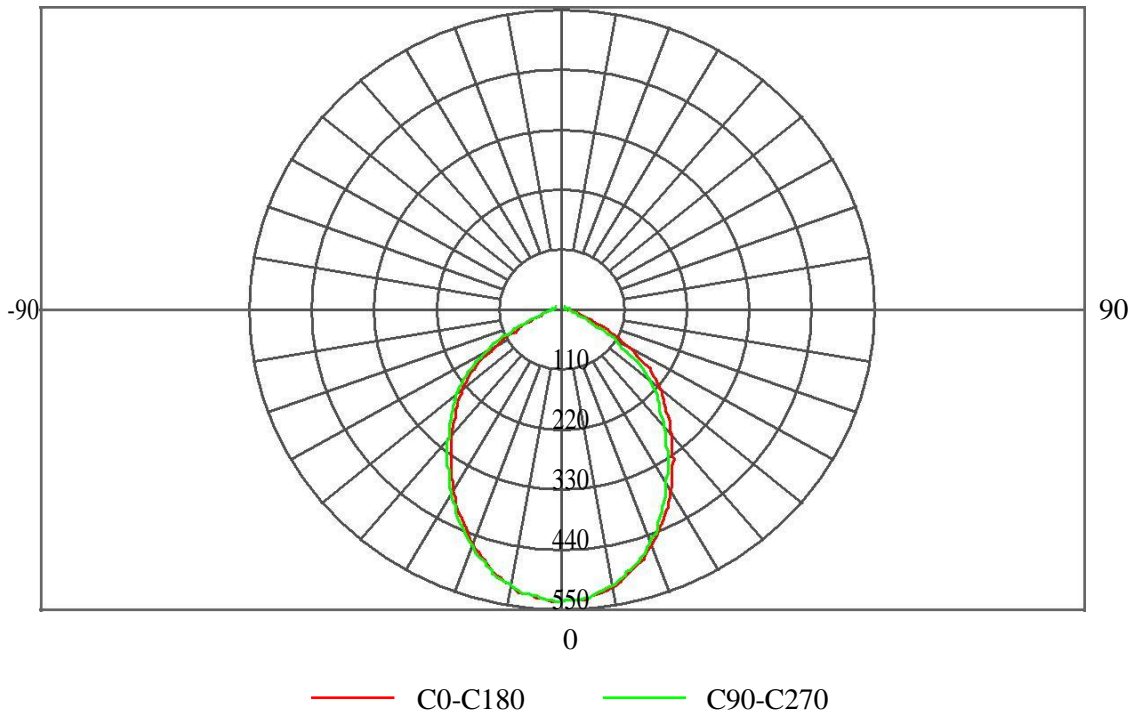
Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Орел (4862)44-53-42  
 Оренбург (3532)37-68-04  
 Пенза (8412)22-31-16

Пермь (342)205-81-47  
 Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13

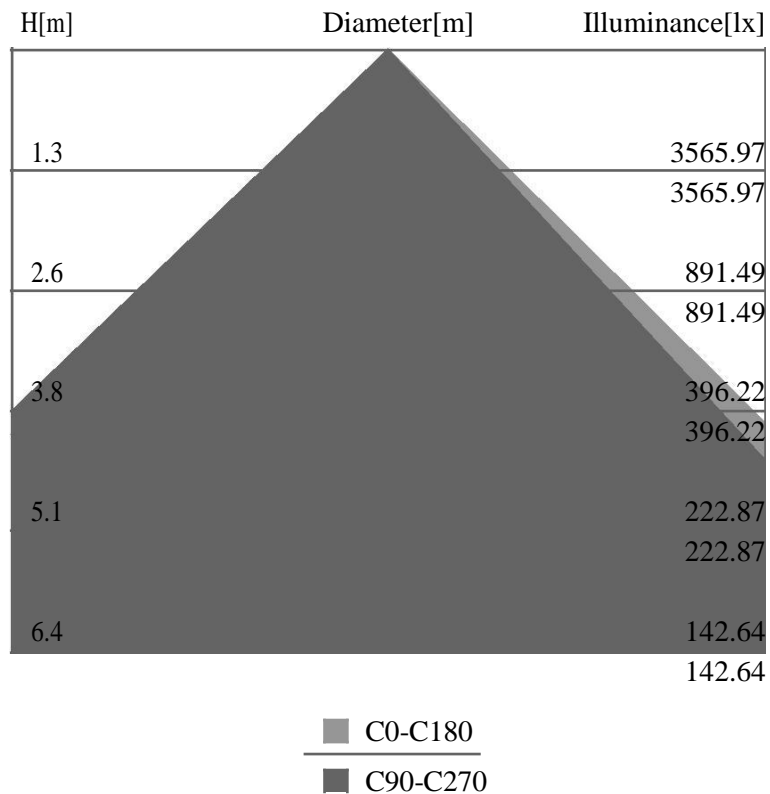
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 Тверь (4822)63-31-35  
 Томск (3822)98-41-53  
 Тула (4872)74-02-29  
 Тюмень (3452)66-21-18  
 Ульяновск (8422)24-23-59  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47    Казахстан (772)734-952-31    Таджикистан (992)427-82-92-69

### cd/1000 lm Curve

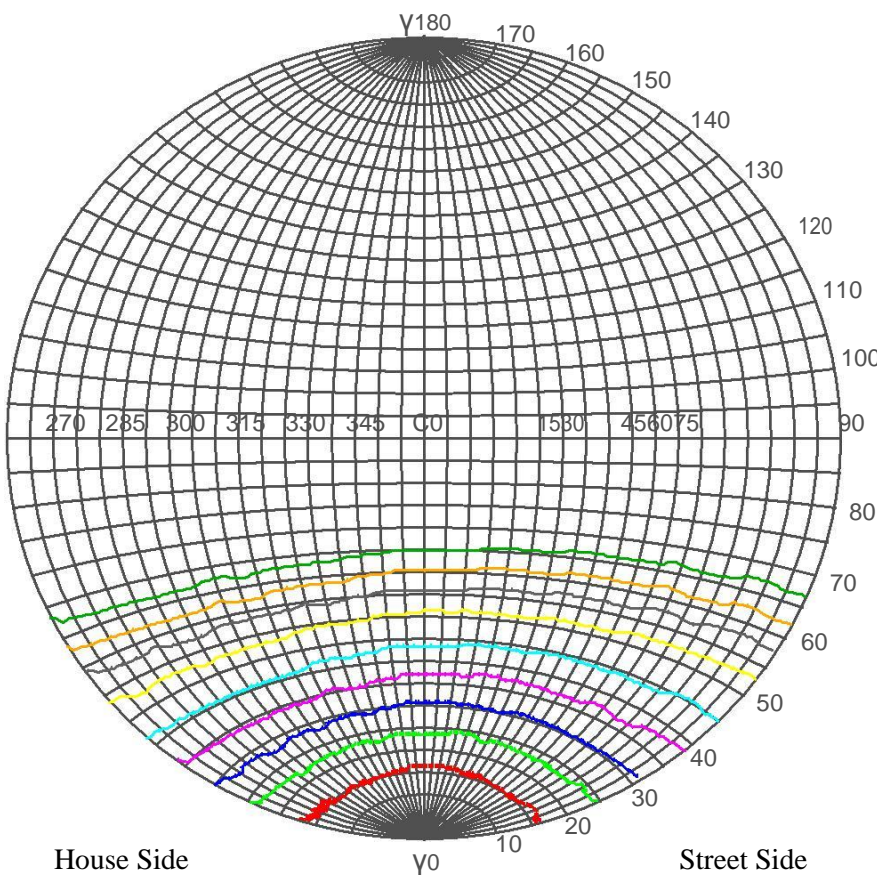


### Illumination Cone Curve



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

Lamp Description		
Lamp Name: 150w tp	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage:	Rated Power: 150 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:



### Road Lamp Type

CIE: cut-off  
 CIE: short-narrow extension  
 IES: cut-off  
 IES: II-very short  
 Max.At80: 8.95cd/klm  
 Max.At90: 6.4088cd/klm

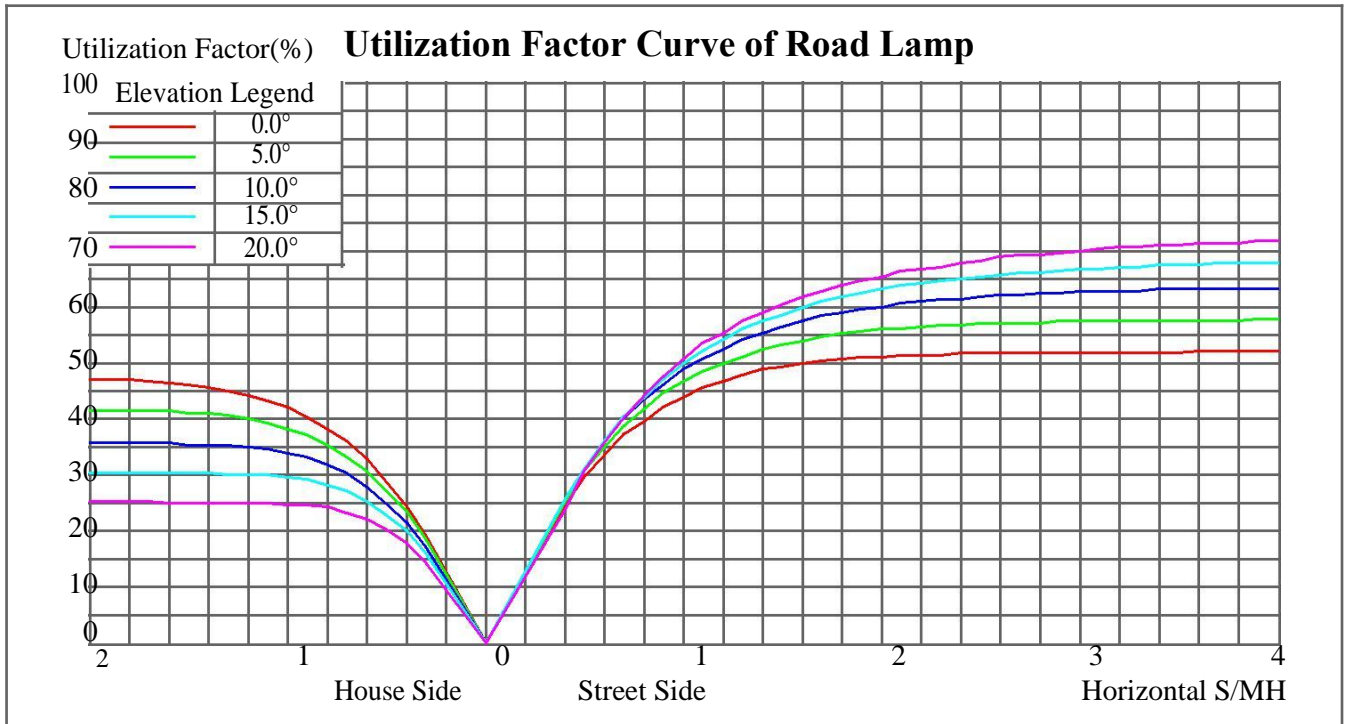
Isocandela Curve(Round Net)	
Intensity Unit	cd
Imax = 100%	5850
— 90%	5265
— 80%	4680
— 70%	4095
— 60%	3510
— 50%	2925
— 40%	2340
— 30%	1755
— 20%	1170
— 10%	585

c Range: 0-360 Degree  
 c Interval: 10 Degree  
 Test Speed: Fast  
 Test Distance: 6.4 m  
 Note: notes

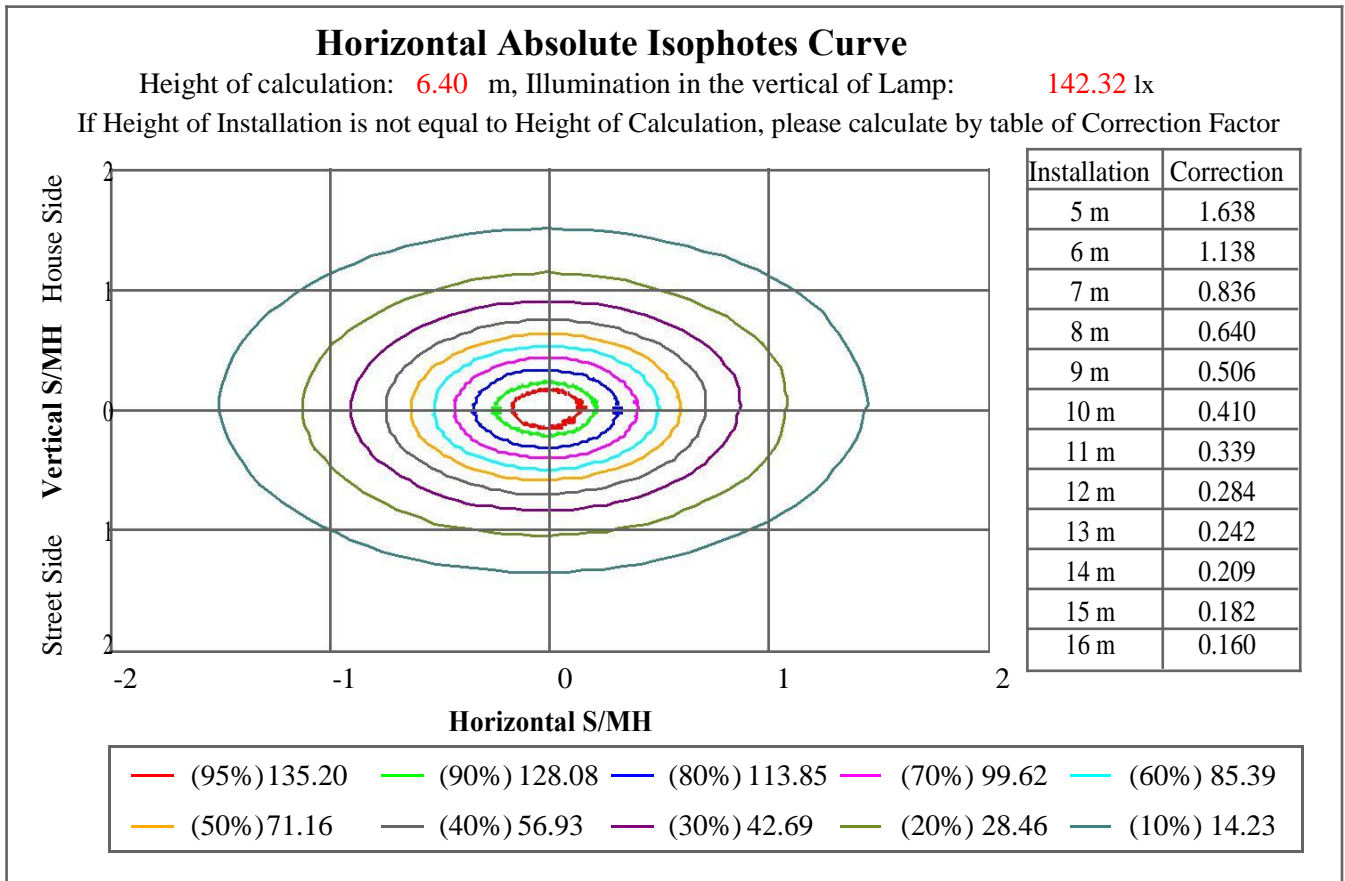
γ Range: 0-90 Degree  
 γ Interval: 0.9 Degree  
 Test Date: 2017-04-30  
 Test Time: 14-40-45

Temperature:  
 Humidity:  
 Test No.:  
 Tester:

## Lamp Utilization Factor Curve



## Horizontal Isophotes Curve



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c Range: 0-360 Degree  
c Interval: 10 Degree  
Test Speed: Fast  
Test Distance: 6.4 m  
Note: notes

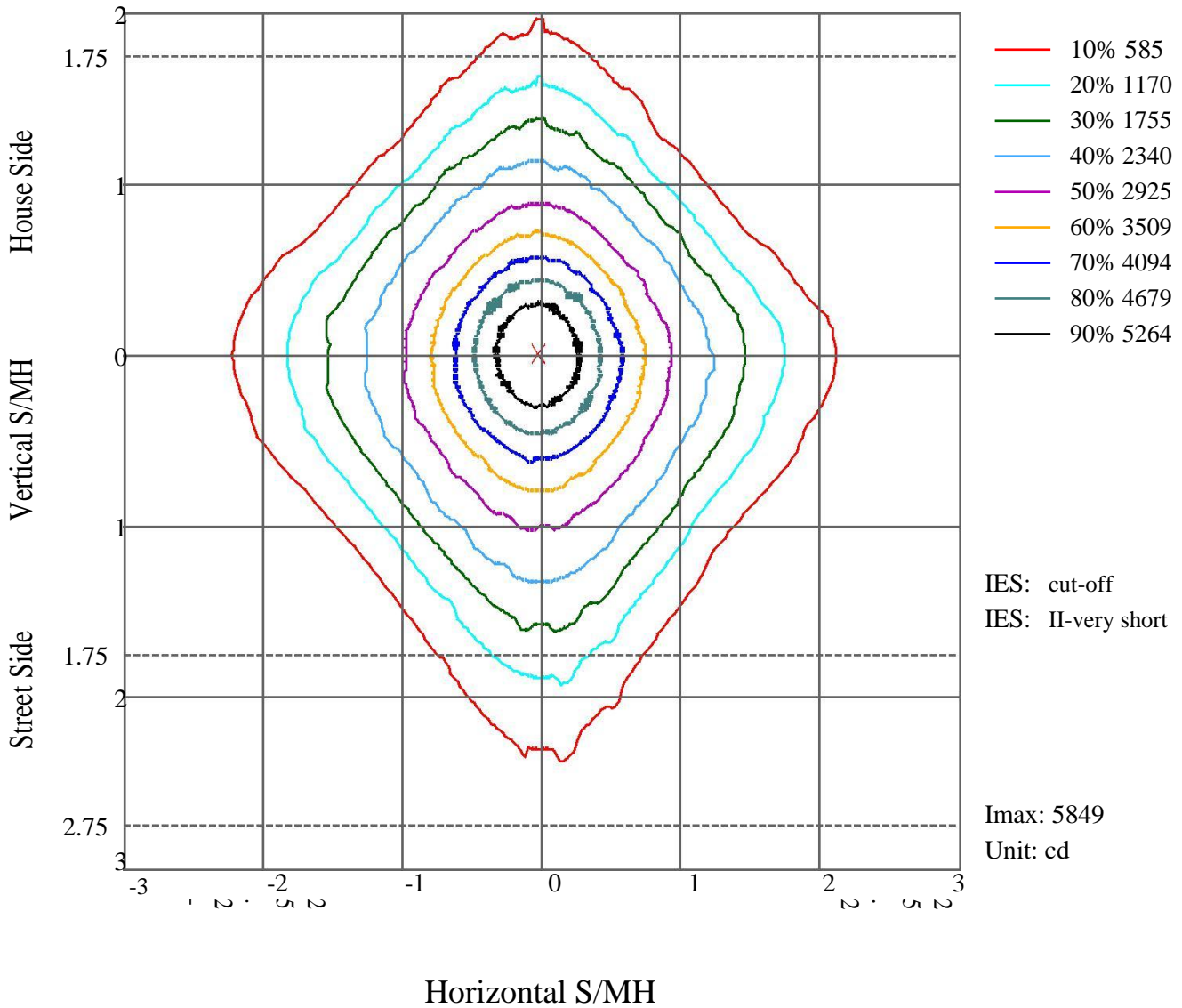
$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
Test Date: 2017-04-30  
Test Time: 14-40-45

Temperature:  
Humidity:  
Test No.:  
Tester:

## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: 150w tp	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage:	Rated Power: 150 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

Isocandela Curve(IES)



c Range: 0-360 Degree  
 c Interval: 10 Degree  
 Test Speed: Fast  
 Test Distance: 6.4 m  
 Note: notes

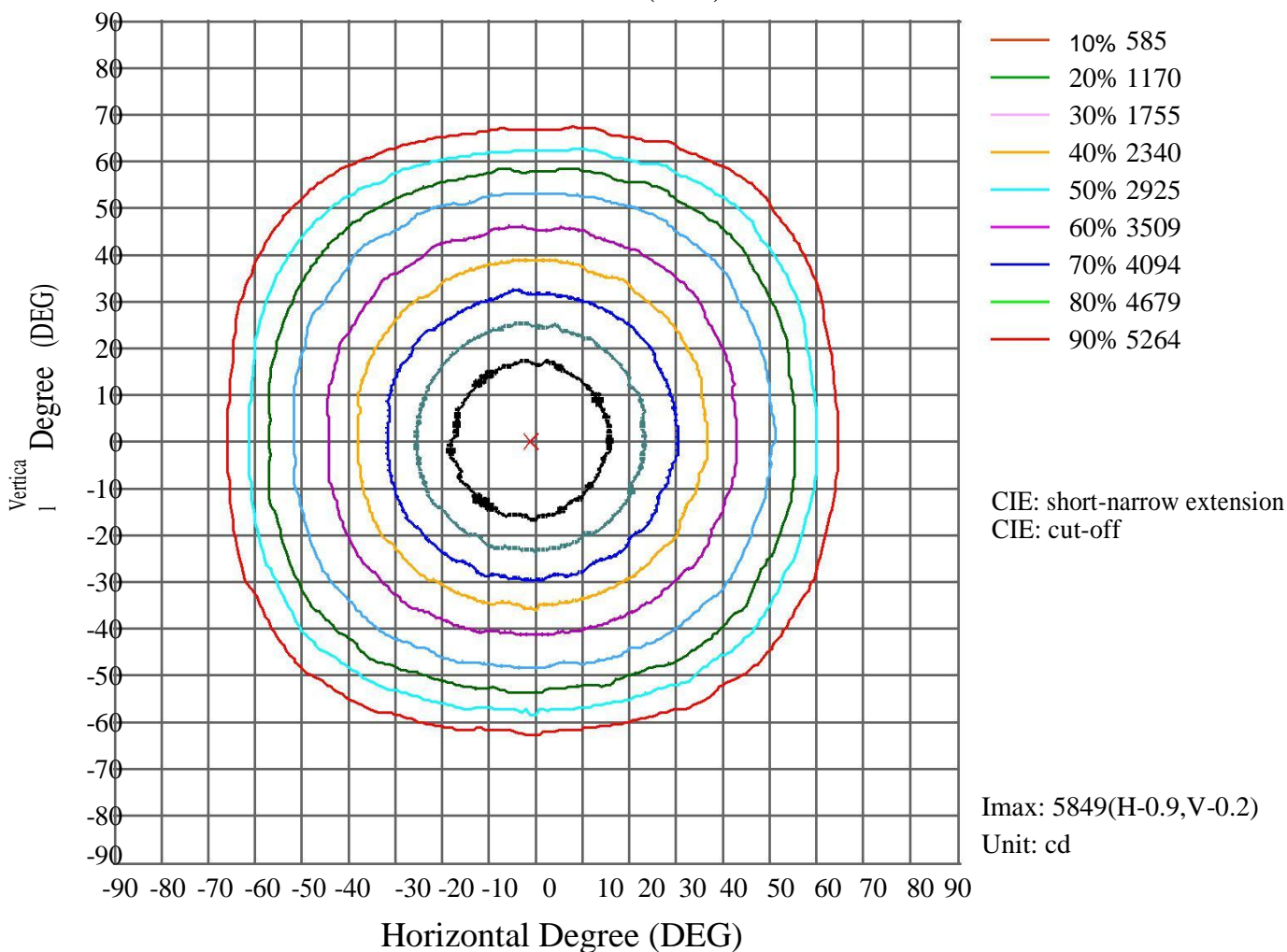
$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
 Test Date: 2017-04-30  
 Test Time: 14-40-45

Temperature:  
 Humidity:  
 Test No.:  
 Tester:

# Isocandela Curve of Lamp

Lamp Description		
Lamp Name: 150w tp	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage:	Rated Power: 150 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

## Isocandela Curve(CIE)



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Тюмень (3452)66-21-18  
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Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
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