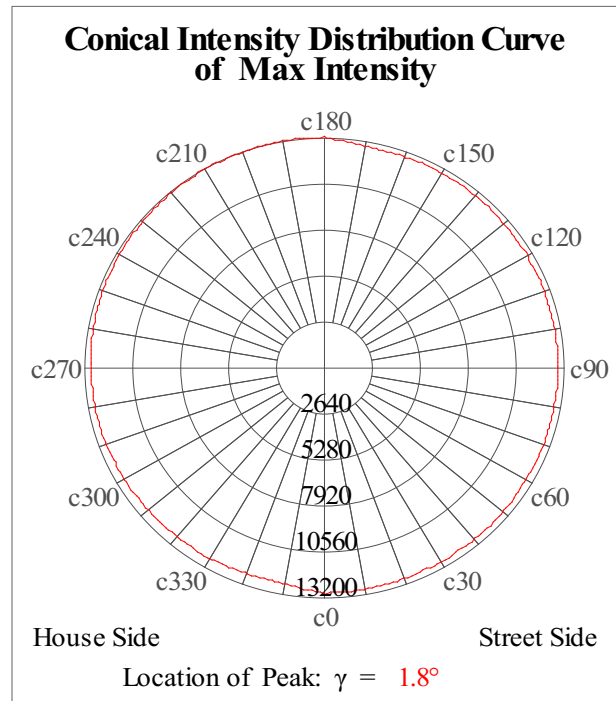
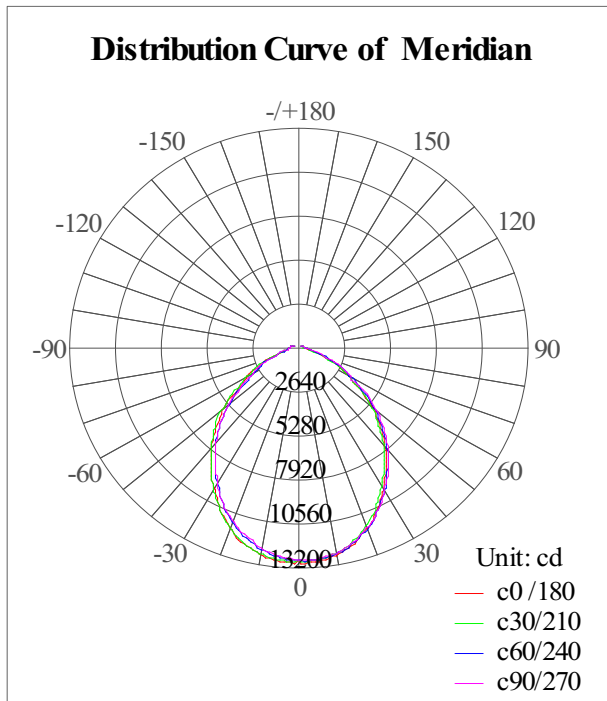


## Photometric Data of Lamp

| Lamp Description |                           |                    |
|------------------|---------------------------|--------------------|
| Lamp Name:       | Lamp Size:                | Lamp Weight:       |
| Lamp Type:       | Rated Voltage: 230 V      | Rated Power: 200 W |
| Light Type: LED  | Light Number:             | Rated Flux:        |
| Light Standard:  | Light Area: 31.5cm×26.2cm | Light Flux:        |

| Measured Data of Lamp |                     |                                |                    |
|-----------------------|---------------------|--------------------------------|--------------------|
| Voltage: 228.7 V      | Current: 0.888 A    | Power: 201 W                   | Power Factor: 0.99 |
| Total Flux            | 25636.90 lm         | Central Intensity              | 12963.53 cd        |
| Lamp Efficiency       | 0.00%               | Light Efficiency               | 127.55 lm/W        |
| Peak Intensity        | 13139.43 cd         | Location of Peak(c, $\gamma$ ) | (0.0°, 1.8°)       |
| Half-Intensity Angle  | 89.1°               | BeamAngle                      | 130.5°             |
| Upward Light Ratio    | 0                   | Downward Light Ratio           | 100%               |
| Upward Street Side    | 0                   | Downward Street Side           | 13392.28 lm        |
| Upward House Side     | 0                   | Downward House Side            | 12246.15 lm        |
| Flash Area(76°)       | 801 cm <sup>2</sup> | Discomfort Glare(SLI)          | 0                  |



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

 $\gamma$  Range: 0度-90度

 $\gamma$  Interval: 0.9度

Test Date: 2019-05-09

Test Time: 09-15-22

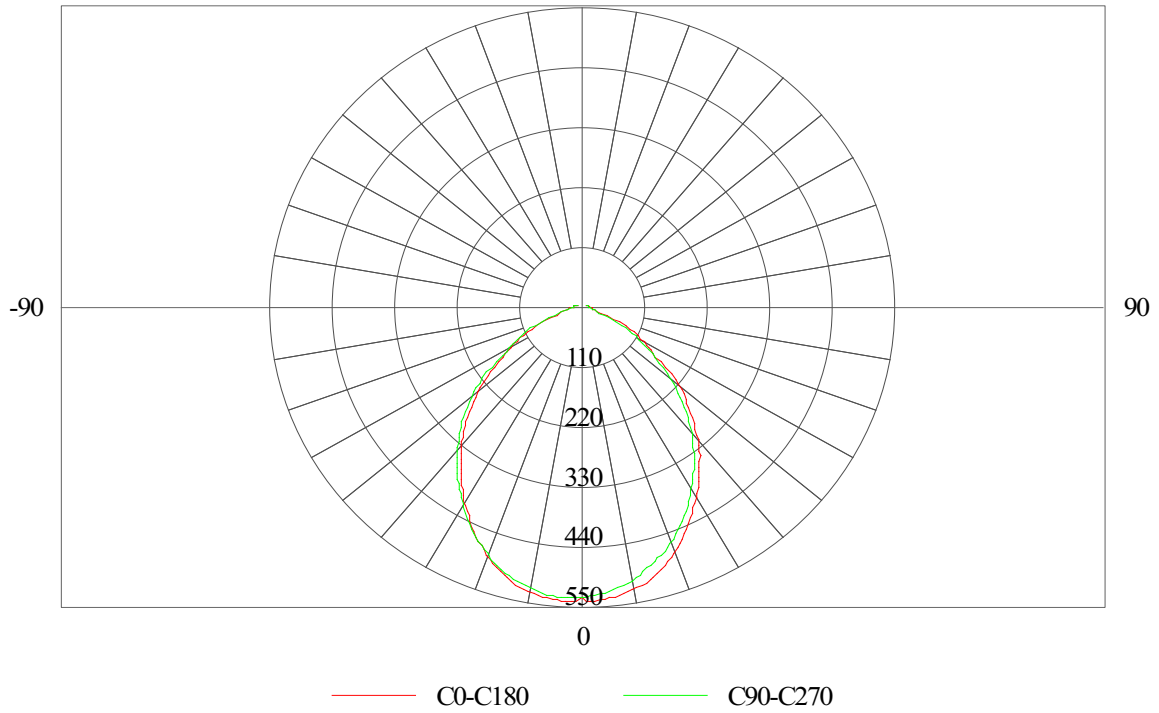
Temperature: 25°C

Humidity: 65%

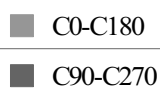
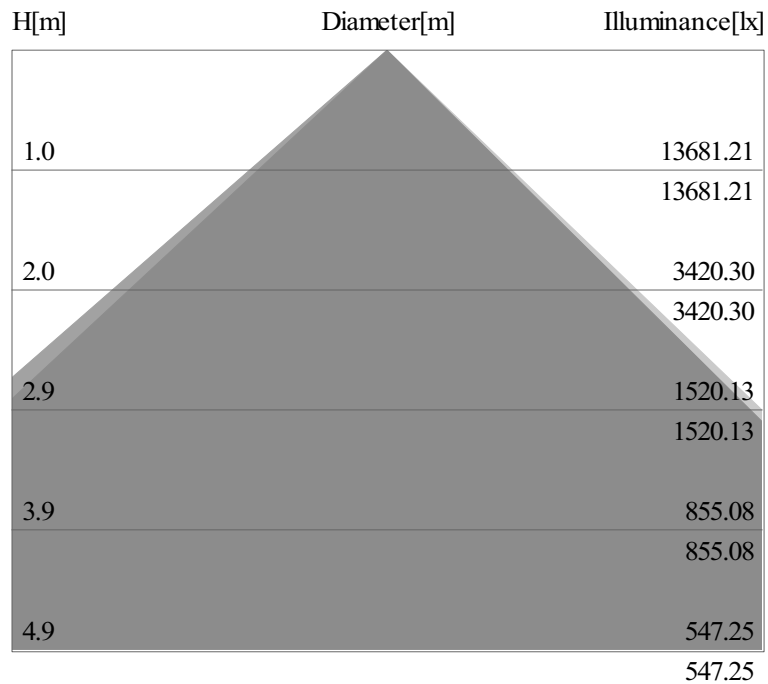
Test No.:

Tester:

### cd/1000 lm Curve

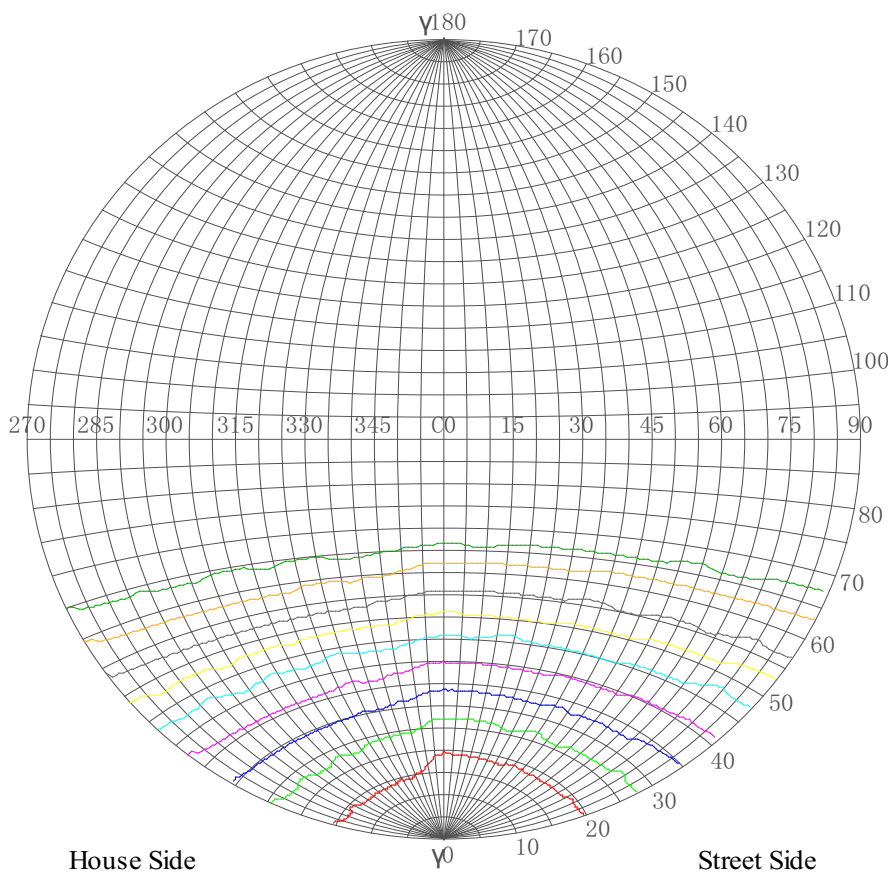


### Illumination Cone Curve



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

| Lamp Description |                           |                    |
|------------------|---------------------------|--------------------|
| Lamp Name:       | Lamp Size:                | Lamp Weight:       |
| Lamp Type:       | Rated Voltage: 230 V      | Rated Power: 200 W |
| Light Type: LED  | Light Number:             | Rated Flux:        |
| Light Standard:  | Light Area: 31.5cm×26.2cm | Light Flux:        |



### Road Lamp Type

CIE: cut-off  
 CIE: short-narrow extension  
 IES: cut-off  
 IES: II-very short  
 Max. At80: 10.83cd/klm  
 Max. At90: 7.3542cd/klm

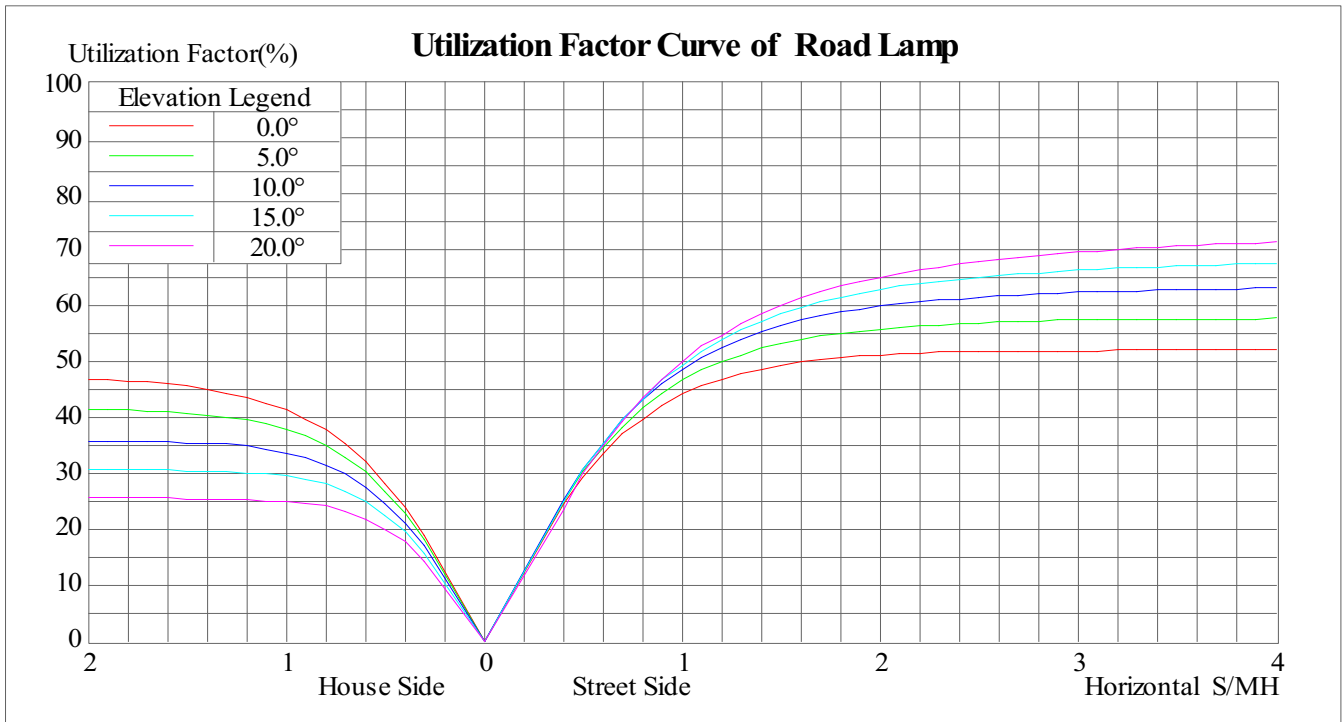
| Isocandela Curve(Round Net) |       |
|-----------------------------|-------|
| Intensity Unit              | cd    |
| Imax = 100%                 | 13140 |
| — 90%                       | 11826 |
| — 80%                       | 10512 |
| — 70%                       | 9198  |
| — 60%                       | 7884  |
| — 50%                       | 6570  |
| — 40%                       | 5256  |
| — 30%                       | 3942  |
| — 20%                       | 2628  |
| — 10%                       | 1314  |

c Range: 0度-360度  
 c Interval: 10度  
 Test Speed: 快速  
 Test Distance: 4.9 m  
 Note: notes

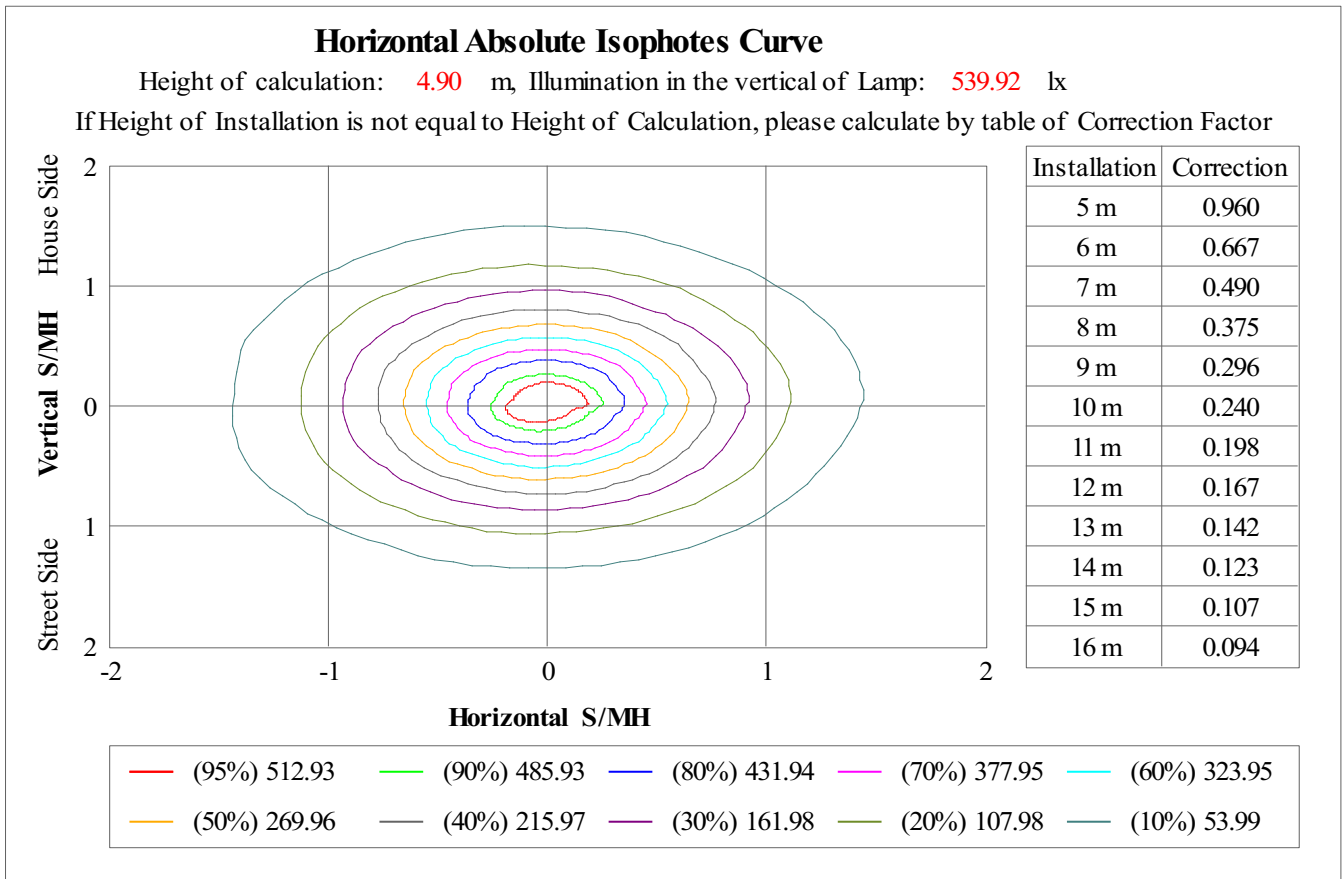
γ Range: 0度-90度  
 γ Interval: 0.9度  
 Test Date: 2019-05-09  
 Test Time: 09-15-22

Temperature: 25°C  
 Humidity: 65%  
 Test No.:  
 Tester:

## Lamp Utilization Factor Curve



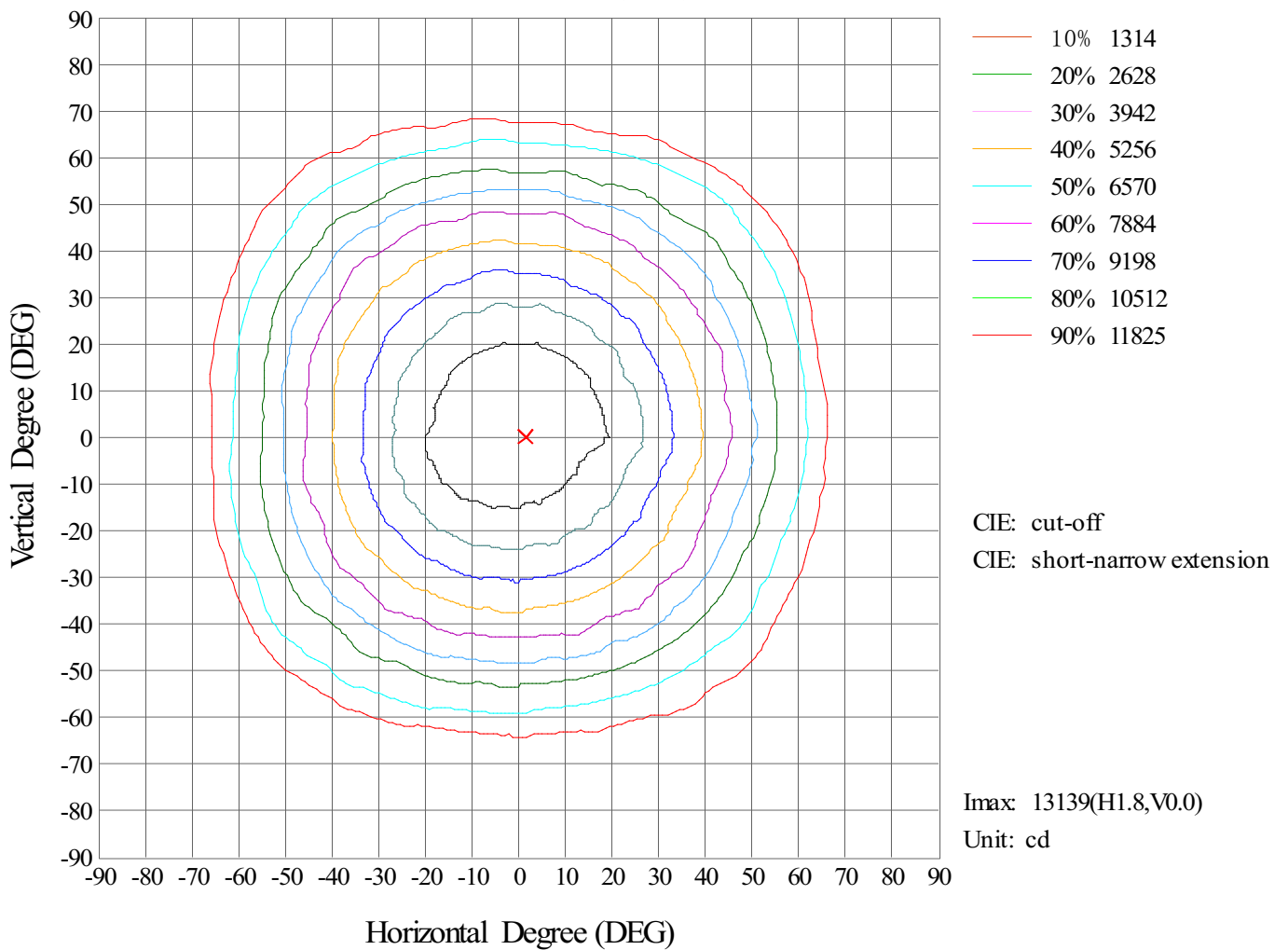
## Horizontal Isophotes Curve



## Isocandela Curve of Lamp

| Lamp Description |                           |                    |
|------------------|---------------------------|--------------------|
| Lamp Name:       | Lamp Size:                | Lamp Weight:       |
| Lamp Type:       | Rated Voltage: 230 V      | Rated Power: 200 W |
| Light Type: LED  | Light Number:             | Rated Flux:        |
| Light Standard:  | Light Area: 31.5cm×26.2cm | Light Flux:        |

### Isocandela Curve(CIE)



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

$\gamma$  Range: 0度-90度

$\gamma$  Interval: 0.9度

Test Date: 2019-05-09

Test Time: 09-15-22

Temperature: 25°C

Humidity: 65%

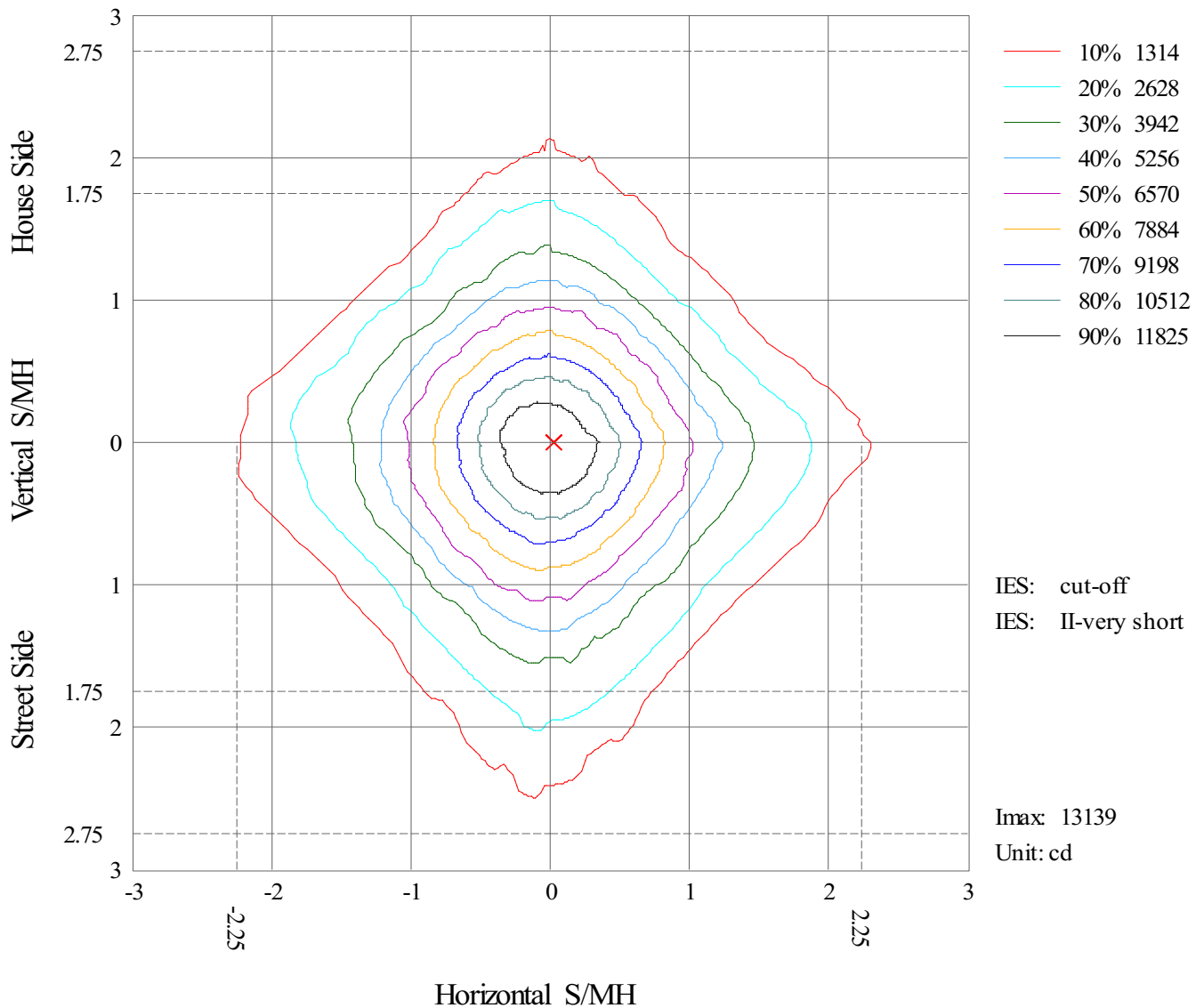
Test No.:

Tester:

## Isocandela Curve of Lamp

| Lamp Description |                           |                    |
|------------------|---------------------------|--------------------|
| Lamp Name:       | Lamp Size:                | Lamp Weight:       |
| Lamp Type:       | Rated Voltage: 230 V      | Rated Power: 200 W |
| Light Type: LED  | Light Number:             | Rated Flux:        |
| Light Standard:  | Light Area: 31.5cm×26.2cm | Light Flux:        |

### Isocandela Curve(IES)



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

 $\gamma$  Range: 0度-90度

 $\gamma$  Interval: 0.9度

Test Date: 2019-05-09

Test Time: 09-15-22

Temperature: 25°C

Humidity: 65%

Test No.:

Tester:

## Lamp Ring with Flux

| Lamp Description |                           |                    |
|------------------|---------------------------|--------------------|
| Lamp Name:       | Lamp Size:                | Lamp Weight:       |
| Lamp Type:       | Rated Voltage: 230 V      | Rated Power: 200 W |
| Light Type: LED  | Light Number:             | Rated Flux:        |
| Light Standard:  | Light Area: 31.5cm×26.2cm | Light Flux:        |

| γ       | C0                 | C90   | C180  | C270  | γ(°)      | Φ(Ring)  | Φ(Total) | %      |
|---------|--------------------|-------|-------|-------|-----------|----------|----------|--------|
| 3.6     | 13108              | 12959 | 13076 | 12803 | 0.0-3.6   | 160.2    | 160.2    | 0.62   |
| 7.2     | 12996              | 12850 | 12936 | 12597 | 3.6-7.2   | 476.0    | 636.2    | 2.48   |
| 10.8    | 12808              | 12656 | 12709 | 12297 | 7.2-10.8  | 779.4    | 1416     | 5.52   |
| 14.4    | 12482              | 12366 | 12411 | 11876 | 10.8-14.4 | 1063     | 2478     | 9.67   |
| 18.0    | 12000              | 11973 | 11972 | 11442 | 14.4-18.0 | 1318     | 3796     | 14.80  |
| 21.6    | 11474              | 11469 | 11354 | 10916 | 18.0-21.6 | 1952     | 5748     | 22.42  |
| 25.2    | 10850              | 10958 | 10683 | 10313 | 21.6-25.2 | 1751     | 7499     | 29.25  |
| 28.8    | 10157              | 10267 | 9975  | 9593  | 25.2-28.8 | 1867     | 9365     | 36.53  |
| 32.4    | 9426               | 9629  | 9300  | 8865  | 28.8-32.4 | 1940     | 11305    | 44.09  |
| 36.0    | 8688               | 8927  | 8559  | 8145  | 32.4-36.0 | 1972     | 13277    | 51.79  |
| 39.6    | 7897               | 8181  | 7780  | 7343  | 36.0-39.6 | 1963     | 15240    | 59.44  |
| 43.2    | 7092               | 7449  | 6896  | 6511  | 39.6-43.2 | 1904     | 17144    | 66.87  |
| 46.8    | 6260               | 6600  | 6070  | 5681  | 43.2-46.8 | 1801     | 18944    | 73.89  |
| 50.4    | 5327               | 5741  | 5166  | 4730  | 46.8-50.4 | 1633     | 20577    | 80.26  |
| 54.0    | 4296               | 4660  | 3909  | 3732  | 50.4-54.0 | 1403     | 21980    | 85.73  |
| 57.6    | 3521               | 3577  | 3311  | 2880  | 54.0-57.6 | 1156     | 23136    | 90.24  |
| 61.2    | 2770               | 2971  | 2554  | 2190  | 57.6-61.2 | 941.1    | 24077    | 93.91  |
| 64.8    | 1783               | 2140  | 1505  | 1101  | 61.2-64.8 | 651.4    | 24728    | 96.45  |
| 68.4    | 656.0              | 886.3 | 593.3 | 500.8 | 64.8-68.4 | 317.8    | 25046    | 97.69  |
| 72.0    | 375.4              | 342.9 | 429.5 | 400.2 | 68.4-72.0 | 161.8    | 25208    | 98.32  |
| 75.6    | 295.1              | 271.4 | 351.0 | 324.8 | 72.0-75.6 | 95.33    | 25303    | 98.69  |
| 79.2    | 232.6              | 214.6 | 282.7 | 266.6 | 75.6-79.2 | 106.3    | 25410    | 99.11  |
| 82.8    | 187.2              | 173.1 | 232.7 | 221.7 | 79.2-82.8 | 87.07    | 25497    | 99.45  |
| 86.4    | 161.1              | 153.3 | 200.8 | 197.6 | 82.8-86.4 | 74.13    | 25571    | 99.74  |
| 90.0    | 155.5              | 141.5 | 177.2 | 184.0 | 86.4-90.0 | 67.72    | 25638    | 100.00 |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
|         |                    |       |       |       |           |          |          |        |
| Unit: ° | Intensity Unit: cd |       |       |       |           | Unit: lm |          |        |

