

Report No.: MSTLAB241102031

Test Time: 2024/11/2

Luminaire Property

Luminaire Manufacturer: MESTER

Luminaire Category: ALL012F

Luminaire Description: MALL012F20W27V50K(UP25%-Down75%)

Lamp Catalog:

Number of Lamps: 1

Luminous Length (mm): 600

Luminous Height (mm):

Current: 0.169 A

Power Factor: 0.996

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 63

Voltage: 120.2 V

Power: 20.23 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 2697.8 lm

Downward Ratio: 74%

Horizontal Diffuse Angle(10%,50%,75%,100%): H159.8,H108.7,H72.3,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V160.2,V109.8,V73.6,V0

Luminous Efficacy (lm/w): 133.36

Max. Intensity: 732.25 cd

S/MH(C0/C180): 1.22

Total Rated Lamp Lumens: 2697.8 lm

Efficiency: 100%

Upward Ratio: 26%

Horizontal Diffuse Angle(10%,50%,75%,100%): H159.8,H108.7,H72.3,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V160.2,V109.8,V73.6,V0

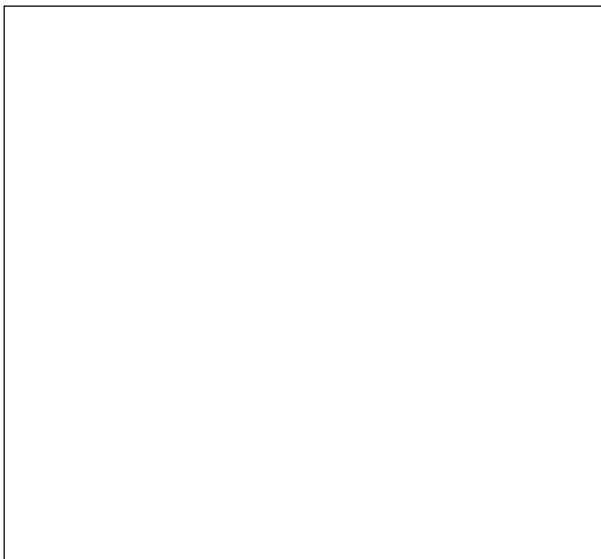
Luminous Efficacy (lm/w): 133.36

Max. Intensity: 732.25 cd

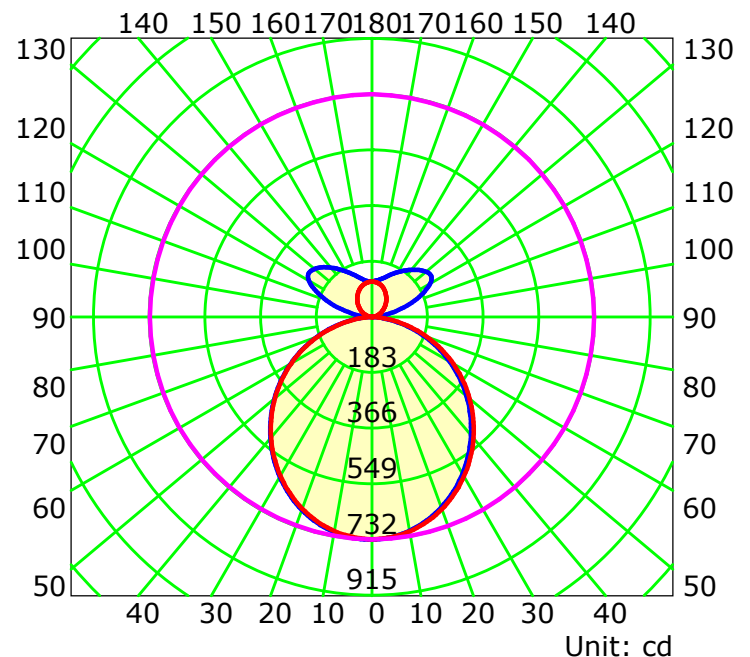
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 109.3°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 15.0

Test Lab: MESTER LAB

Test Type: TYPE C

Temperature: 25.5°C

Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0

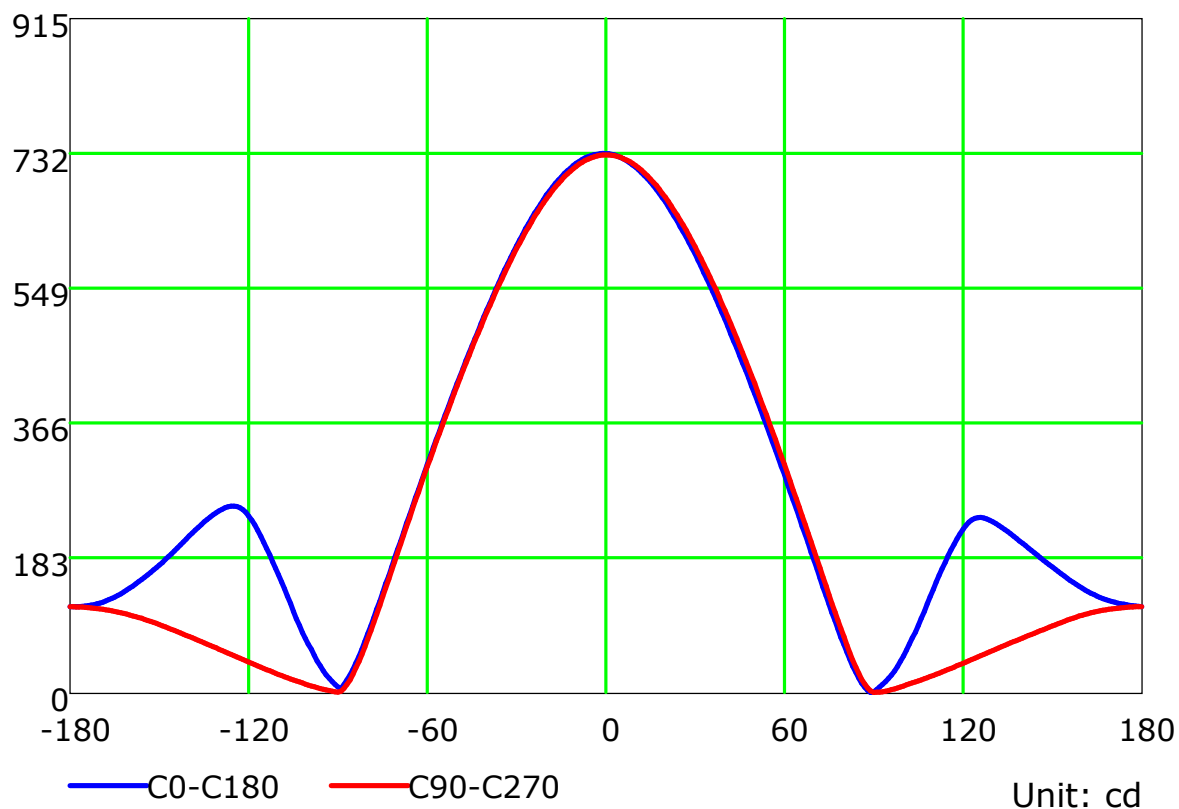
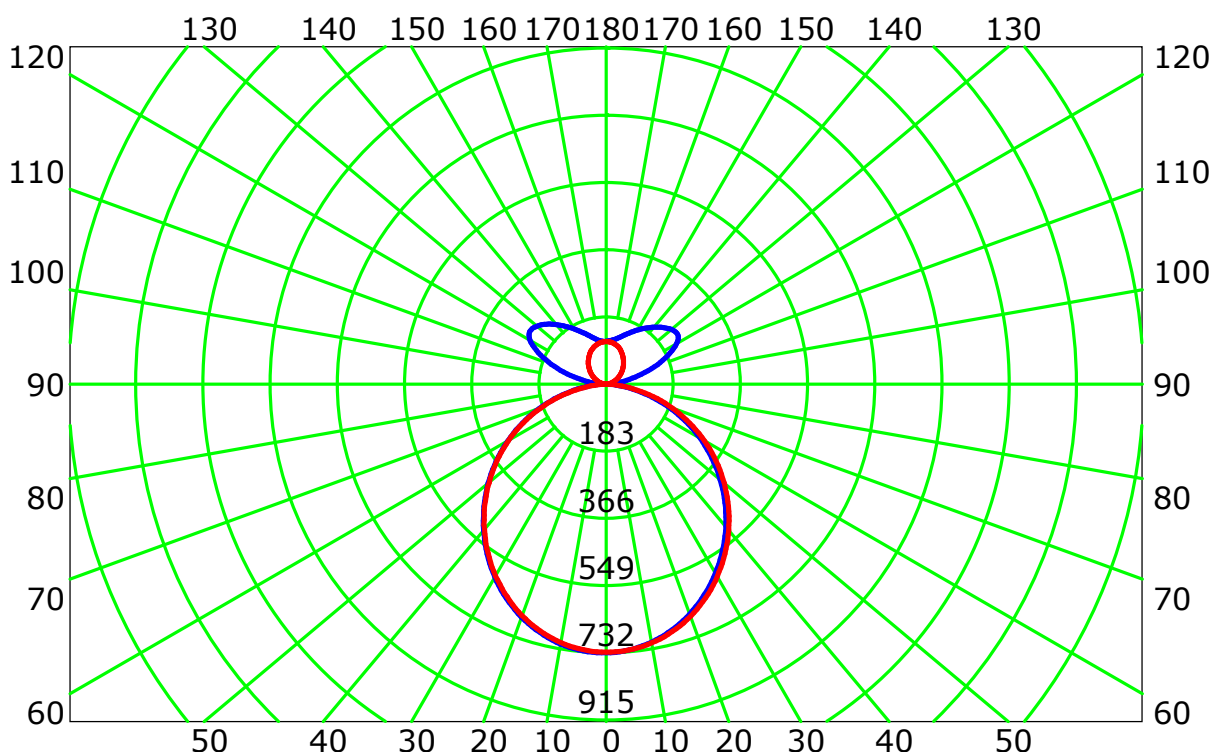
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity: 45% R.H

Inspector:

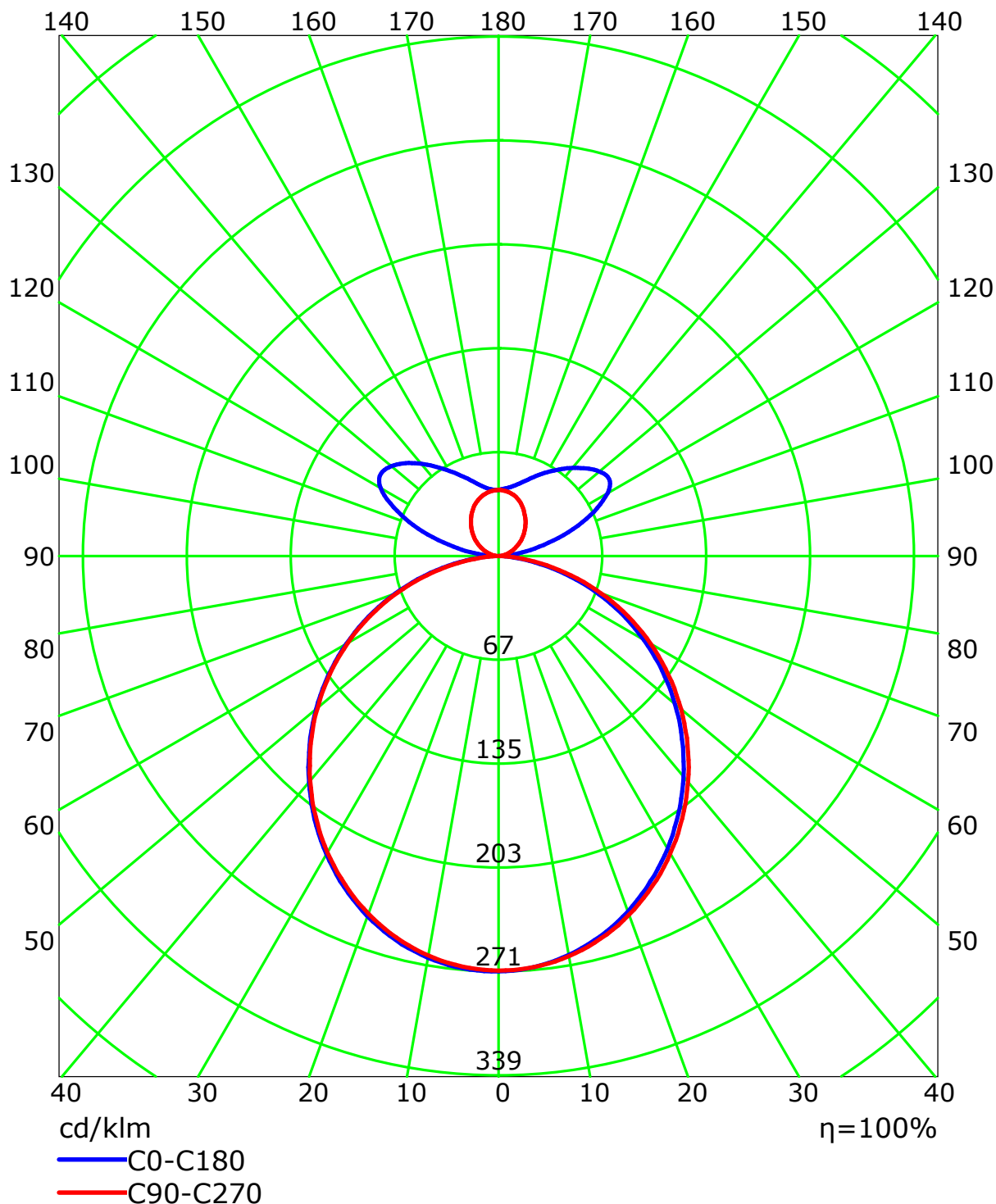
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5°C
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

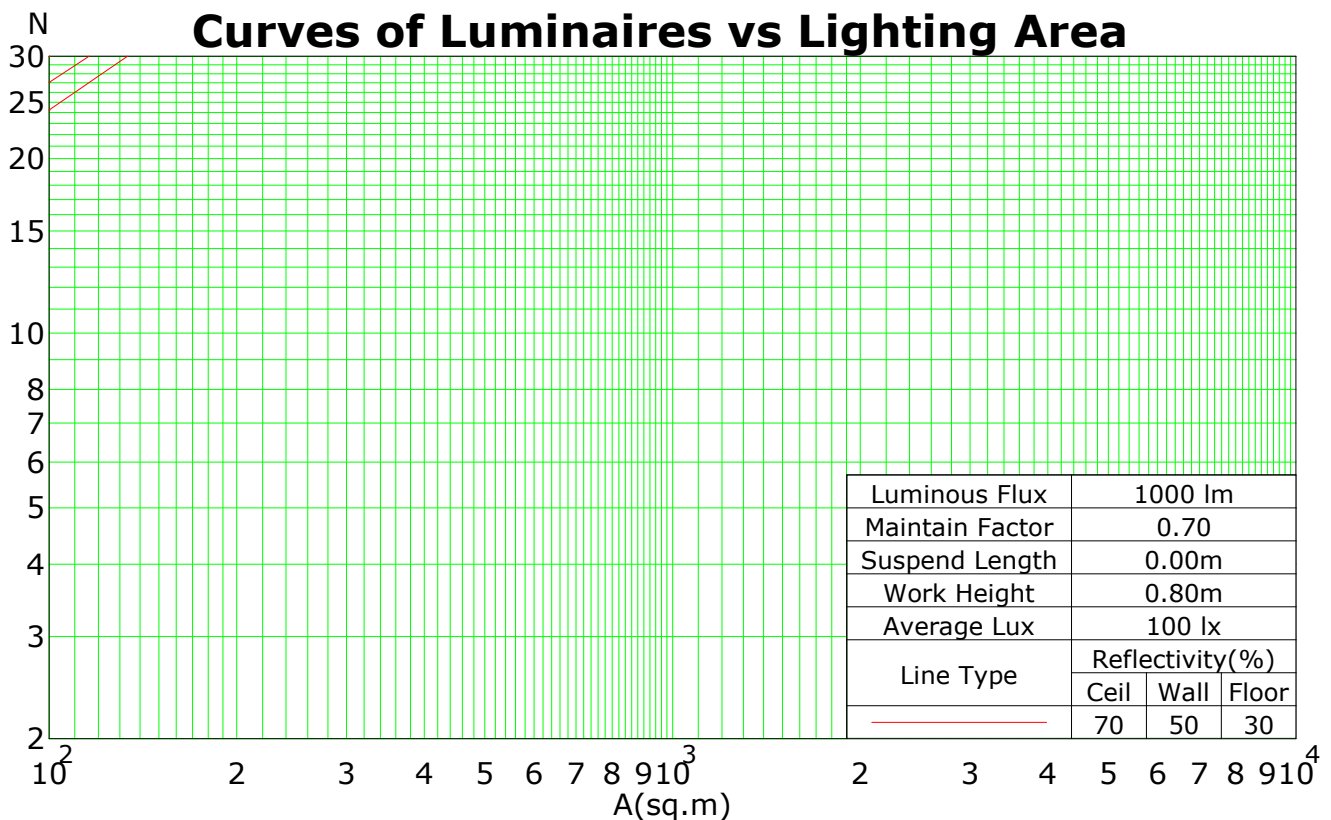
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RC | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0 |
| RW | 0.7 | 0.5 | 0.3 | 0.1 | 0.7 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0 |
| RCR | RF = 0.2 | | | | | | | | | | | | | | | | | |
| 0 | 1.13 | 1.13 | 1.13 | 1.13 | 1.07 | 1.07 | 1.07 | 1.07 | 0.97 | 0.97 | 0.97 | 0.87 | 0.87 | 0.87 | 0.79 | 0.79 | 0.79 | 0.74 |
| 1 | 1.03 | 0.99 | 0.95 | 0.91 | 0.98 | 0.94 | 0.90 | 0.87 | 0.85 | 0.82 | 0.80 | 0.77 | 0.75 | 0.73 | 0.69 | 0.68 | 0.66 | 0.62 |
| 2 | 0.94 | 0.86 | 0.79 | 0.74 | 0.89 | 0.82 | 0.76 | 0.71 | 0.74 | 0.70 | 0.66 | 0.67 | 0.64 | 0.60 | 0.61 | 0.58 | 0.55 | 0.52 |
| 3 | 0.86 | 0.75 | 0.68 | 0.62 | 0.81 | 0.72 | 0.65 | 0.59 | 0.65 | 0.60 | 0.55 | 0.59 | 0.55 | 0.51 | 0.54 | 0.50 | 0.47 | 0.44 |
| 4 | 0.78 | 0.67 | 0.58 | 0.52 | 0.74 | 0.64 | 0.56 | 0.50 | 0.58 | 0.52 | 0.47 | 0.53 | 0.48 | 0.44 | 0.48 | 0.44 | 0.40 | 0.37 |
| 5 | 0.72 | 0.60 | 0.51 | 0.45 | 0.68 | 0.57 | 0.49 | 0.43 | 0.52 | 0.45 | 0.40 | 0.47 | 0.42 | 0.38 | 0.43 | 0.39 | 0.35 | 0.32 |
| 6 | 0.66 | 0.54 | 0.45 | 0.39 | 0.63 | 0.51 | 0.43 | 0.38 | 0.47 | 0.40 | 0.35 | 0.43 | 0.37 | 0.33 | 0.39 | 0.34 | 0.31 | 0.28 |
| 7 | 0.61 | 0.48 | 0.40 | 0.34 | 0.58 | 0.46 | 0.39 | 0.33 | 0.43 | 0.36 | 0.31 | 0.39 | 0.33 | 0.29 | 0.36 | 0.31 | 0.27 | 0.25 |
| 8 | 0.57 | 0.44 | 0.36 | 0.30 | 0.54 | 0.42 | 0.35 | 0.29 | 0.39 | 0.32 | 0.28 | 0.36 | 0.30 | 0.26 | 0.33 | 0.28 | 0.25 | 0.22 |
| 9 | 0.53 | 0.40 | 0.32 | 0.27 | 0.50 | 0.39 | 0.31 | 0.26 | 0.36 | 0.29 | 0.25 | 0.33 | 0.27 | 0.24 | 0.30 | 0.26 | 0.22 | 0.20 |
| 10 | 0.50 | 0.37 | 0.29 | 0.24 | 0.47 | 0.36 | 0.29 | 0.24 | 0.33 | 0.27 | 0.23 | 0.30 | 0.25 | 0.21 | 0.28 | 0.23 | 0.20 | 0.18 |

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.23

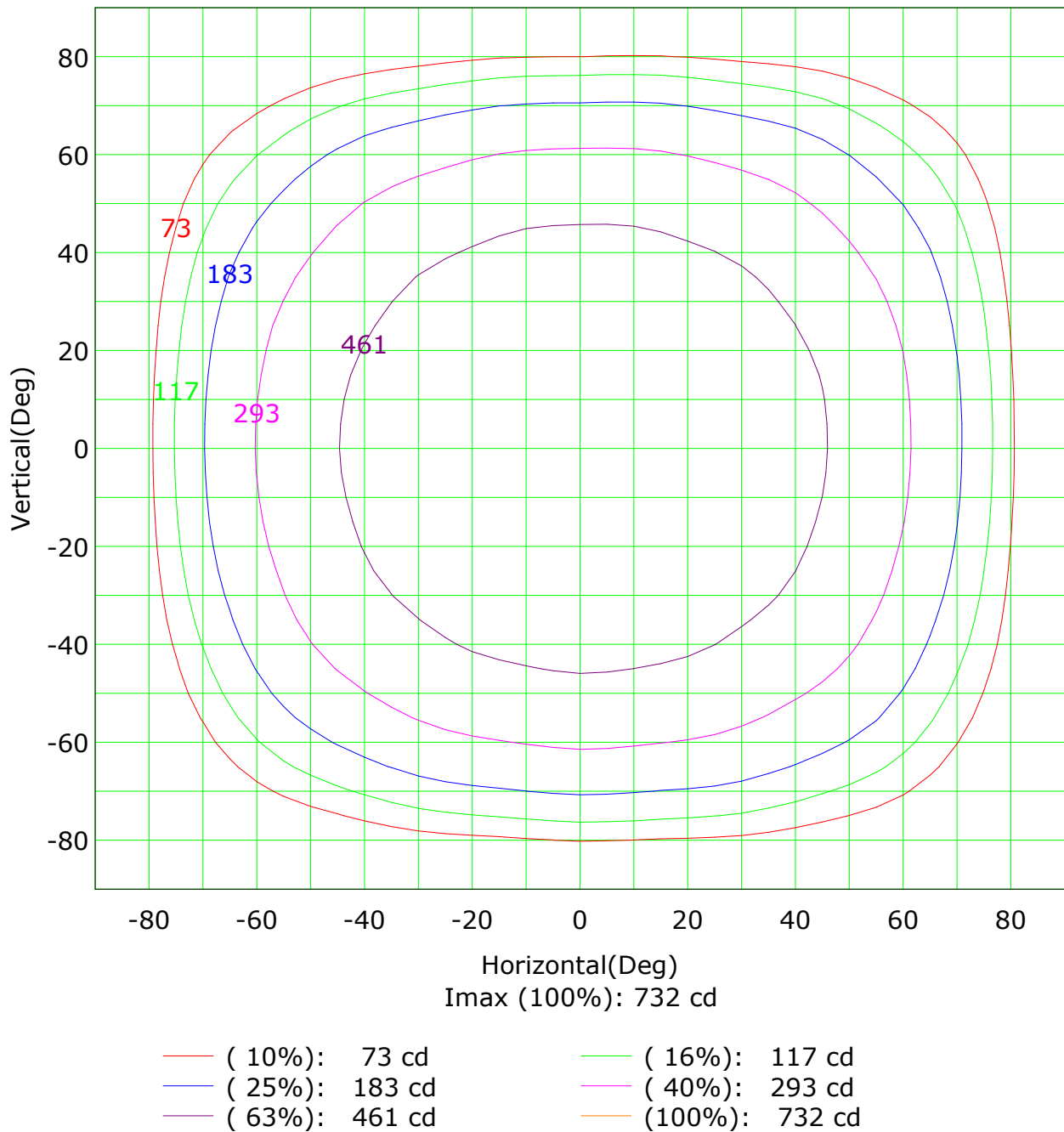
Spacing Criteria (Diagonal): 1.35



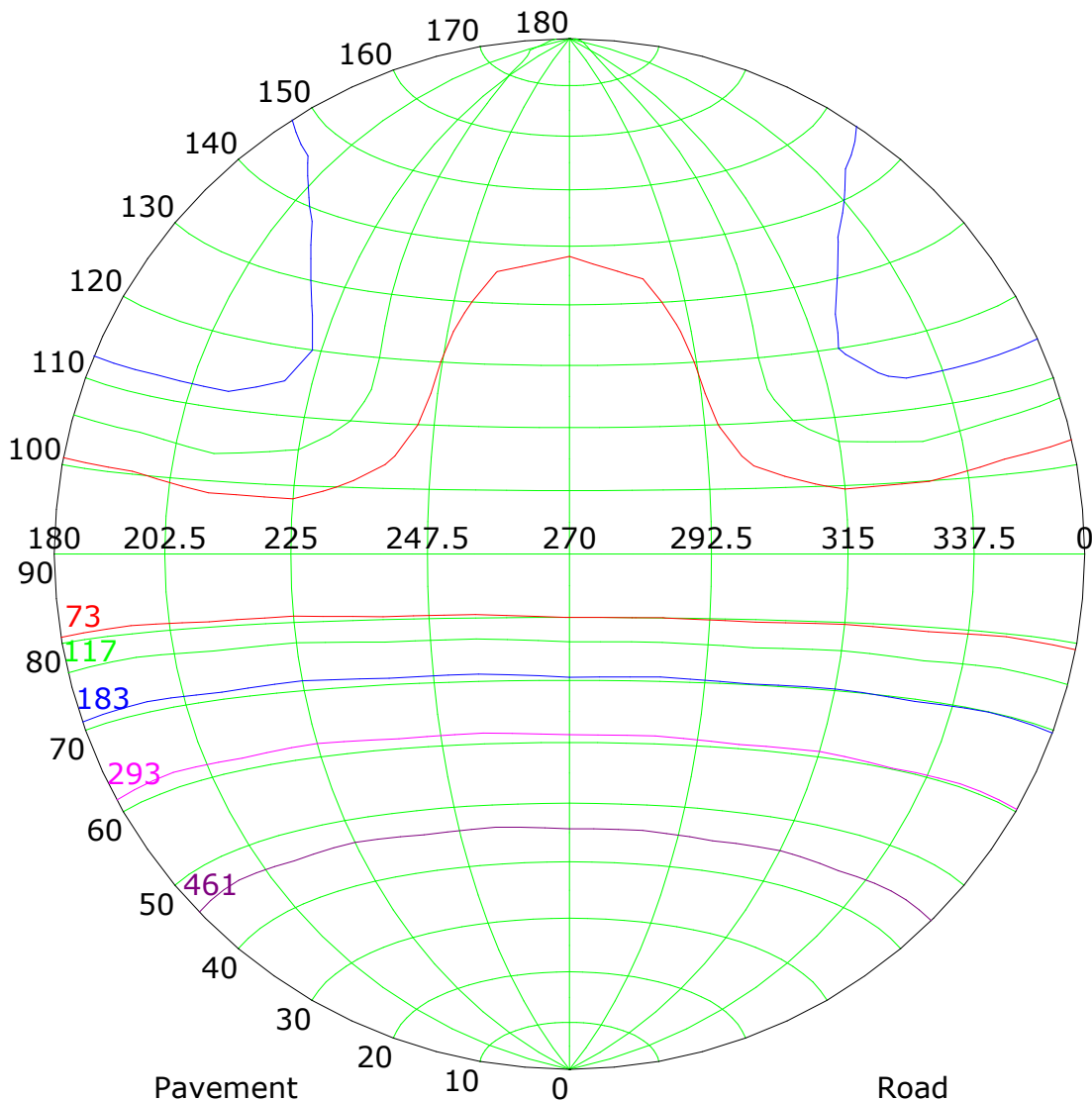
C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Isocandela (rectangle)



Isocandela (sphere)



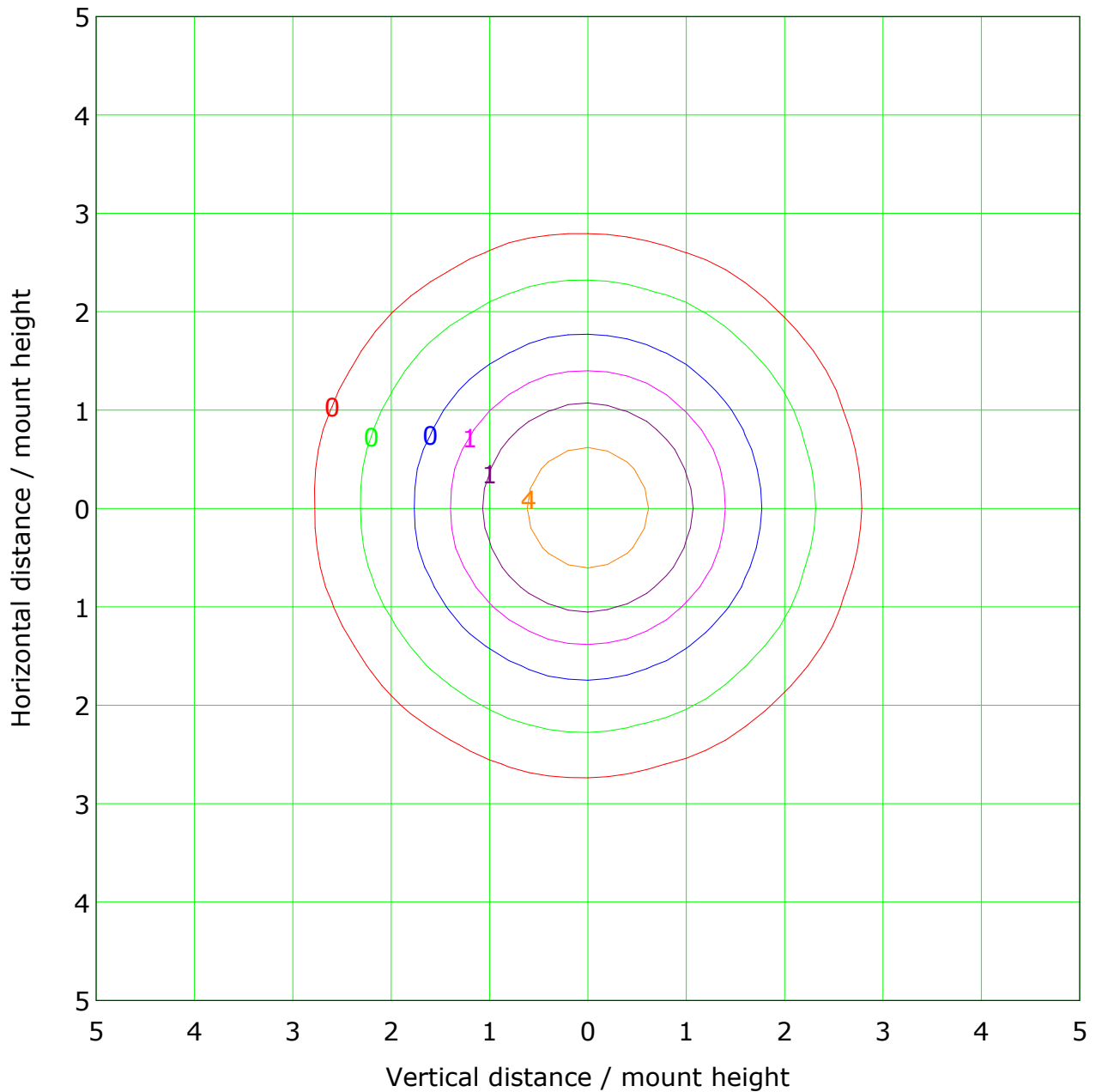
Imax (100%): 732 cd

| | |
|----------------|----------------|
| (10%): 73 cd | (16%): 117 cd |
| (25%): 183 cd | (40%): 293 cd |
| (63%): 461 cd | (100%): 732 cd |

CIE: narrow - short
CIE: Semi-cut-off luminaire
Max.At90: 5.903 cd/klm

IES: Cut-off
Max.At80: 30.900 cd/klm
Max.80-90: 30.900 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 7.3 lx

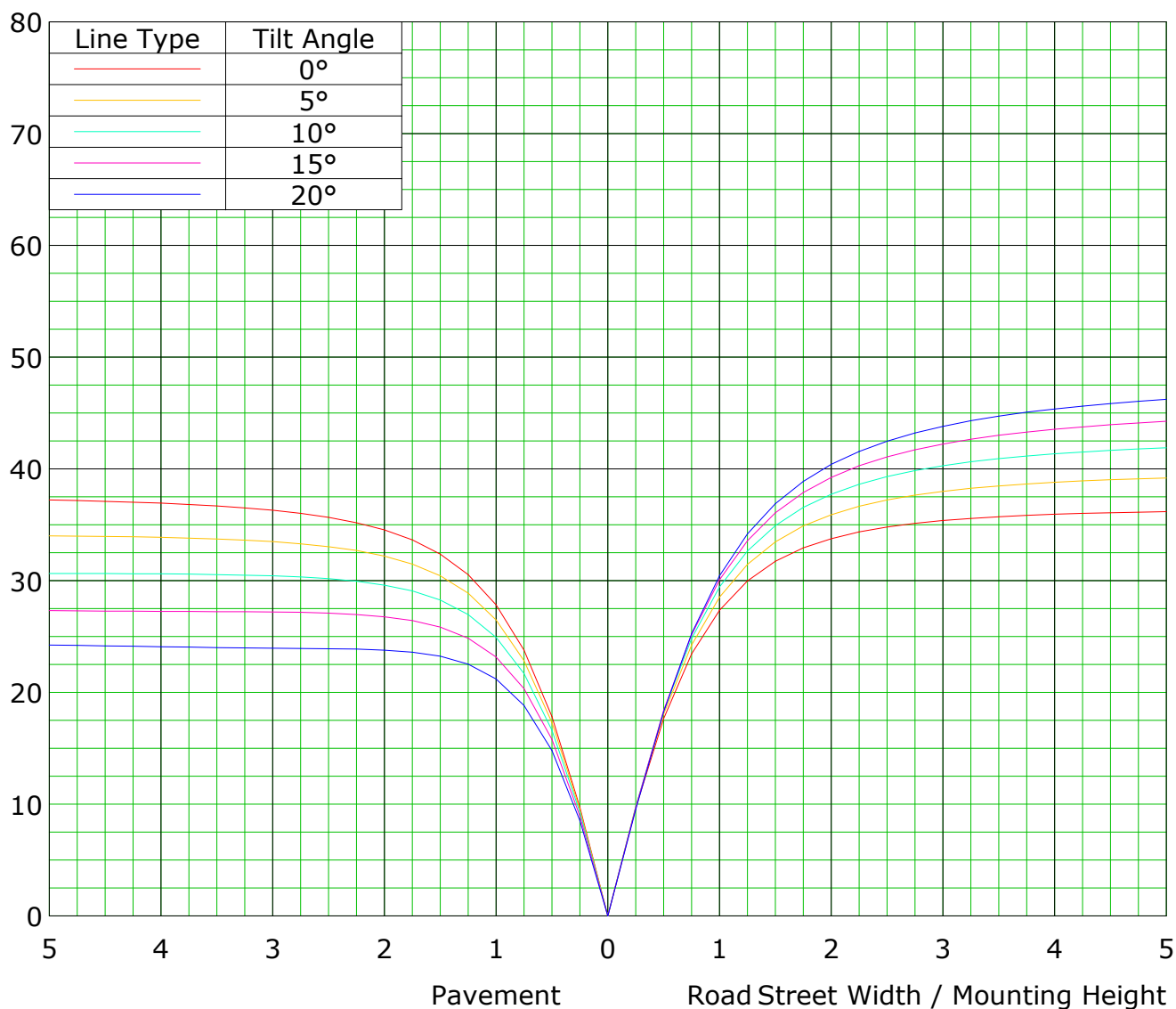
| | |
|----------------|----------------|
| (1%): 0.1 lx | (2%): 0.1 lx |
| (5%): 0.4 lx | (10%): 0.7 lx |
| (20%): 1.5 lx | (50%): 3.7 lx |
| (100%): 7.3 lx | |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5°C
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Roadway CU Curve

Efficiency(%)



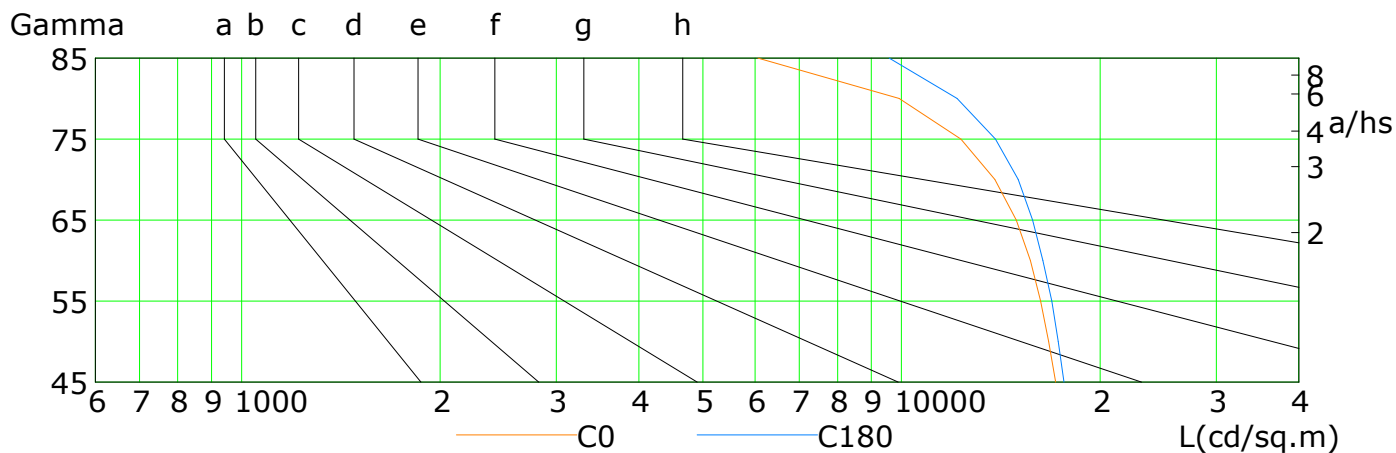
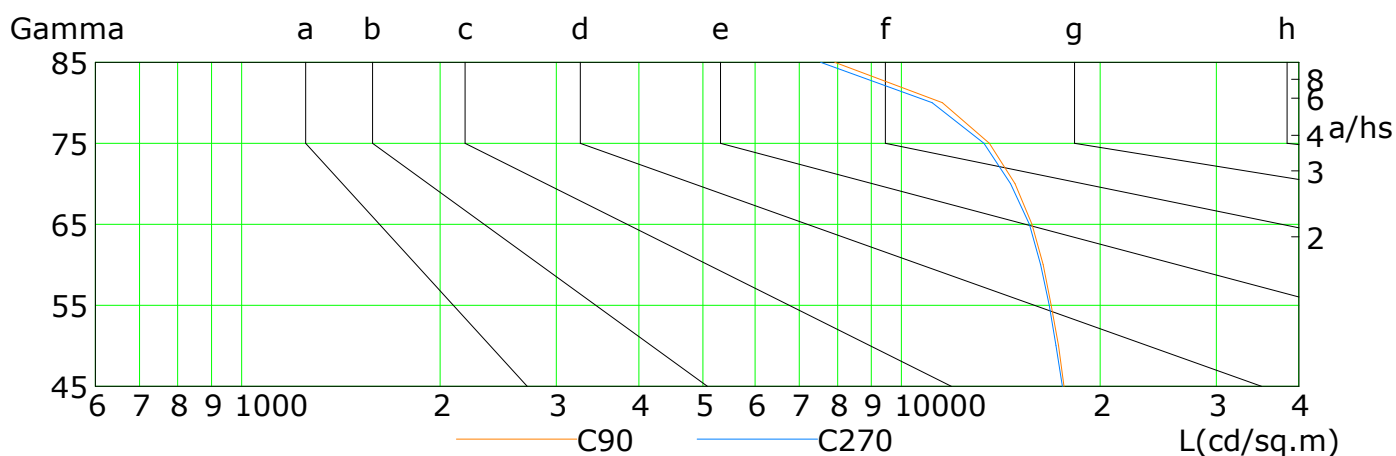
C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5°C
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |

a b c d e f g h

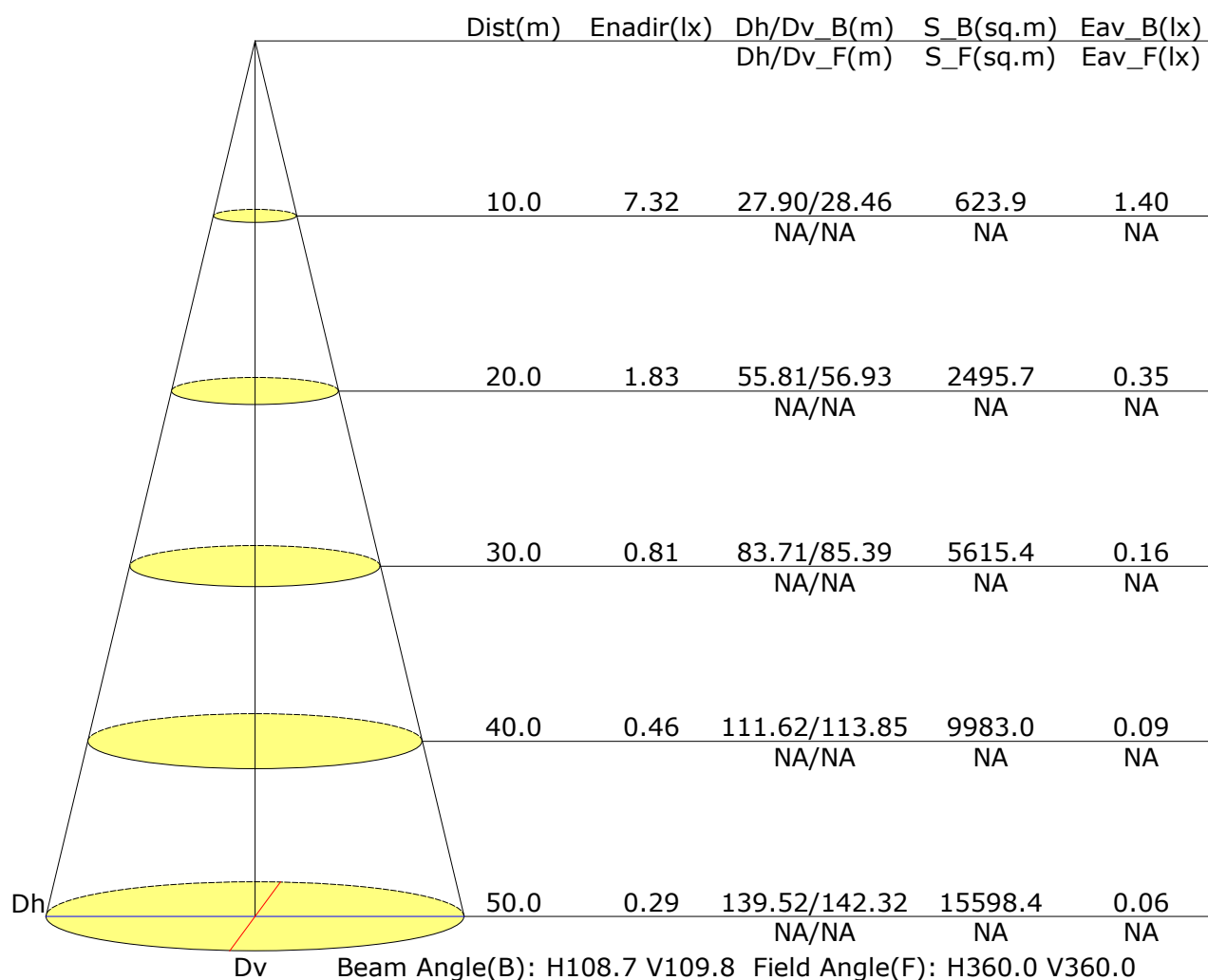


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| C0 | 17116 | 16703 | 16241 | 15671 | 14922 | 13852 | 12308 | 9913 | 6063 |
| C90 | 17631 | 17293 | 16860 | 16400 | 15774 | 14857 | 13593 | 11534 | 7921 |
| C180 | 17628 | 17282 | 16906 | 16384 | 15810 | 15023 | 13882 | 12137 | 9584 |
| C270 | 17532 | 17137 | 16740 | 16256 | 15635 | 14633 | 13335 | 11122 | 7544 |

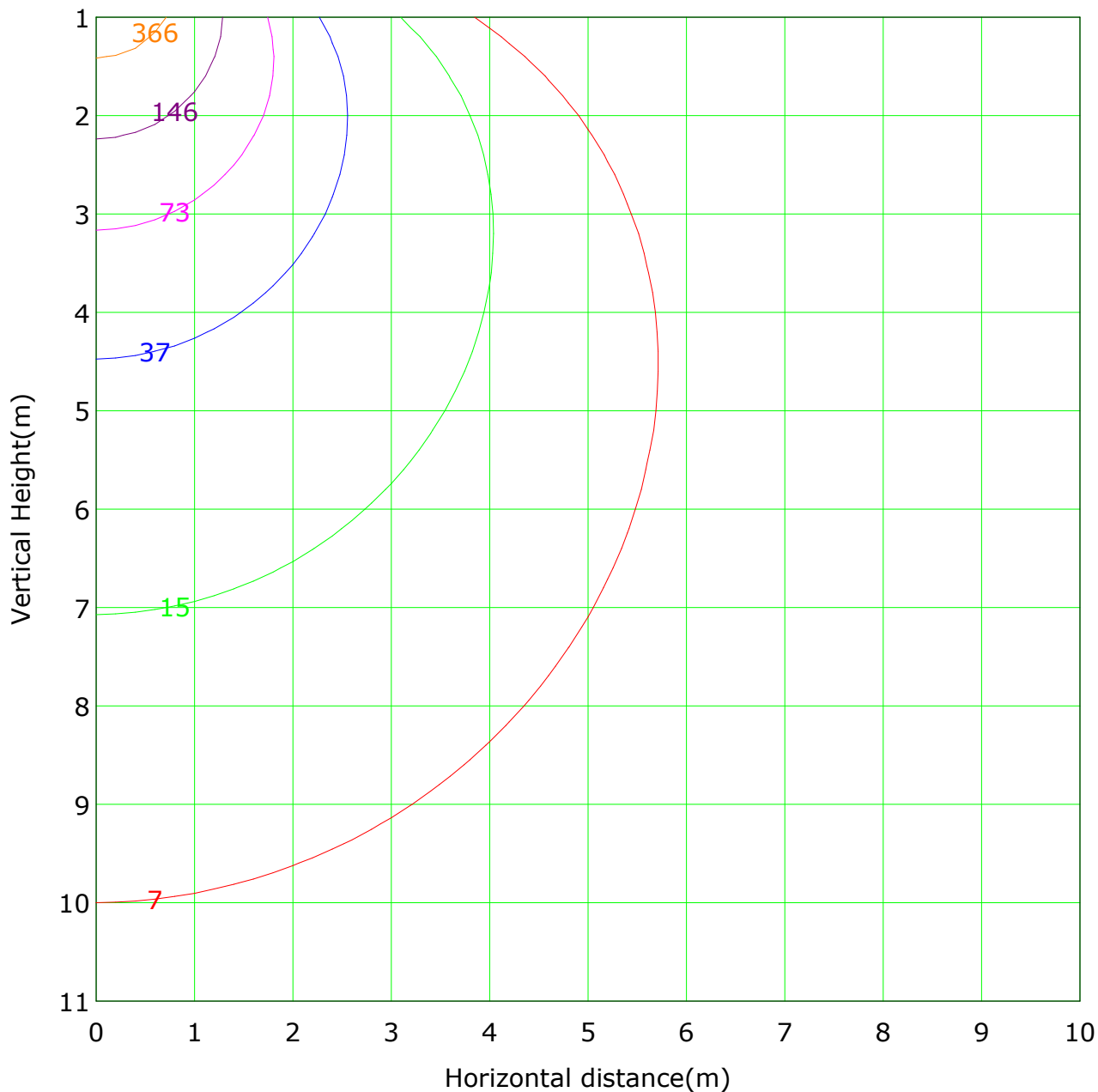
C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 732.2 lx

| | |
|--------------------|--------------------|
| — (1%): 7.3 lx | — (2%): 14.6 lx |
| — (5%): 36.6 lx | — (10%): 73.2 lx |
| — (20%): 146.4 lx | — (50%): 366.1 lx |
| — (100%): 732.2 lx | |

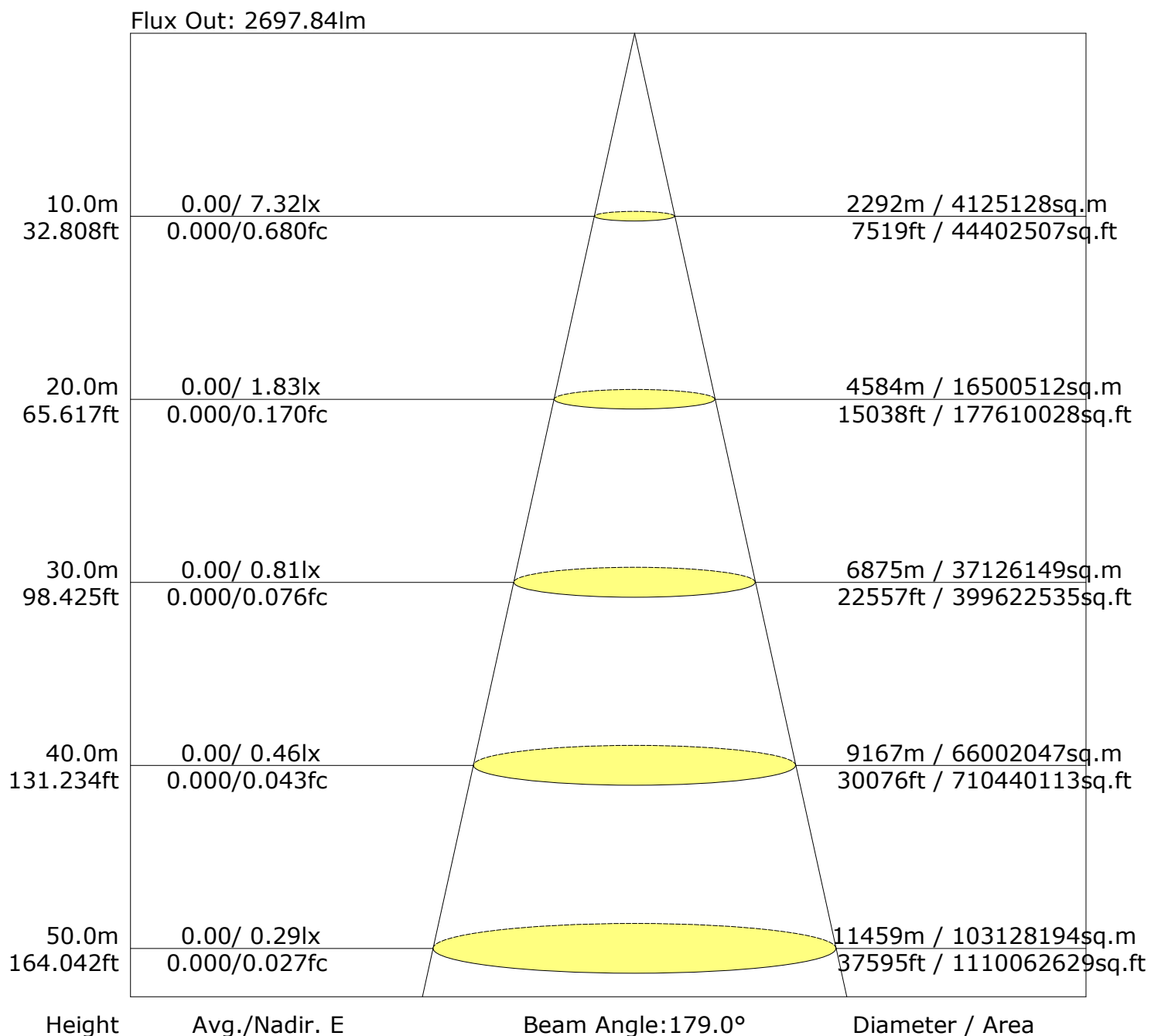
Area Flux Table

Unit: lm

| Vertical plane | | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
|----------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Flux(E) | Flux(T) | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 0.8 | 0.6 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 7.8 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 33.7 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 29.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 64.9 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 63.6 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 95.1 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 94.4 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 122.8 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 122.3 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 147.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 146.7 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 180.8 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 180.6 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 188.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 187.5 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 187.7 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 180.1 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 179.9 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 166.1 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 165.8 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 146.3 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 145.9 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 122.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 121.5 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 94.2 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 93.5 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 63.9 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 62.5 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 33.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 28.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 7.3 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 0.0 |
| 0.1 | 1.4 | 0.1 | 0.2 | 0.6 | 1.2 | 1.9 | 2.6 | 3.3 | 3.8 | 4.0 | 3.9 | 3.7 | 3.0 | 2.4 | 1.6 | 0.9 | 0.4 | 0.1 | 0.0 | 1976 |

Horizontal plane

The Average Illuminance Effective Figure



UGR Table

| | | | | | | | | | | |
|------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflectance: | | | | | | | | | | |
| Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H Y=2H | 19.9 | 21.0 | 20.6 | 21.8 | 22.6 | 20.1 | 21.3 | 20.8 | 22.0 | 22.9 |
| 3H | 21.6 | 22.6 | 22.3 | 23.4 | 24.3 | 21.9 | 22.9 | 22.6 | 23.7 | 24.6 |
| 4H | 22.2 | 23.1 | 22.9 | 23.9 | 24.8 | 22.5 | 23.5 | 23.3 | 24.2 | 25.2 |
| 6H | 22.5 | 23.4 | 23.3 | 24.2 | 25.1 | 22.9 | 23.8 | 23.7 | 24.6 | 25.5 |
| 8H | 22.6 | 23.5 | 23.4 | 24.3 | 25.2 | 23.0 | 23.9 | 23.8 | 24.7 | 25.6 |
| 12H | 22.6 | 23.5 | 23.4 | 24.2 | 25.2 | 23.1 | 23.9 | 23.9 | 24.7 | 25.6 |
| X=4H Y=2H | 20.5 | 21.4 | 21.2 | 22.2 | 23.1 | 20.7 | 21.6 | 21.4 | 22.4 | 23.3 |
| 3H | 22.4 | 23.2 | 23.1 | 24.0 | 24.9 | 22.7 | 23.5 | 23.4 | 24.3 | 25.2 |
| 4H | 23.1 | 23.8 | 23.9 | 24.6 | 25.6 | 23.4 | 24.2 | 24.2 | 25.0 | 25.9 |
| 6H | 23.6 | 24.2 | 24.3 | 25.0 | 26.0 | 24.0 | 24.6 | 24.7 | 25.4 | 26.4 |
| 8H | 23.7 | 24.3 | 24.5 | 25.1 | 26.1 | 24.1 | 24.7 | 24.9 | 25.5 | 26.5 |
| 12H | 23.7 | 24.2 | 24.5 | 25.1 | 26.1 | 24.2 | 24.7 | 25.0 | 25.5 | 26.5 |
| X=8H Y=4H | 23.3 | 23.9 | 24.1 | 24.7 | 25.7 | 23.7 | 24.3 | 24.5 | 25.1 | 26.1 |
| 6H | 23.9 | 24.4 | 24.7 | 25.3 | 26.2 | 24.3 | 24.8 | 25.1 | 25.7 | 26.6 |
| 8H | 24.1 | 24.5 | 24.9 | 25.4 | 26.4 | 24.5 | 25.0 | 25.4 | 25.8 | 26.8 |
| 12H | 24.2 | 24.5 | 25.0 | 25.4 | 26.4 | 24.6 | 25.0 | 25.5 | 25.9 | 26.9 |
| X=12H Y=4H | 23.3 | 23.9 | 24.2 | 24.7 | 25.7 | 23.7 | 24.2 | 24.5 | 25.0 | 26.0 |
| 6H | 23.9 | 24.4 | 24.8 | 25.2 | 26.2 | 24.3 | 24.8 | 25.2 | 25.6 | 26.7 |
| 8H | 24.1 | 24.5 | 25.0 | 25.4 | 26.4 | 24.6 | 25.0 | 25.4 | 25.8 | 26.9 |

Calculate in accordance with CIE 190:2010 The table is revised with 2698lm ($8\log(F/F_0) = 3.4$).

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

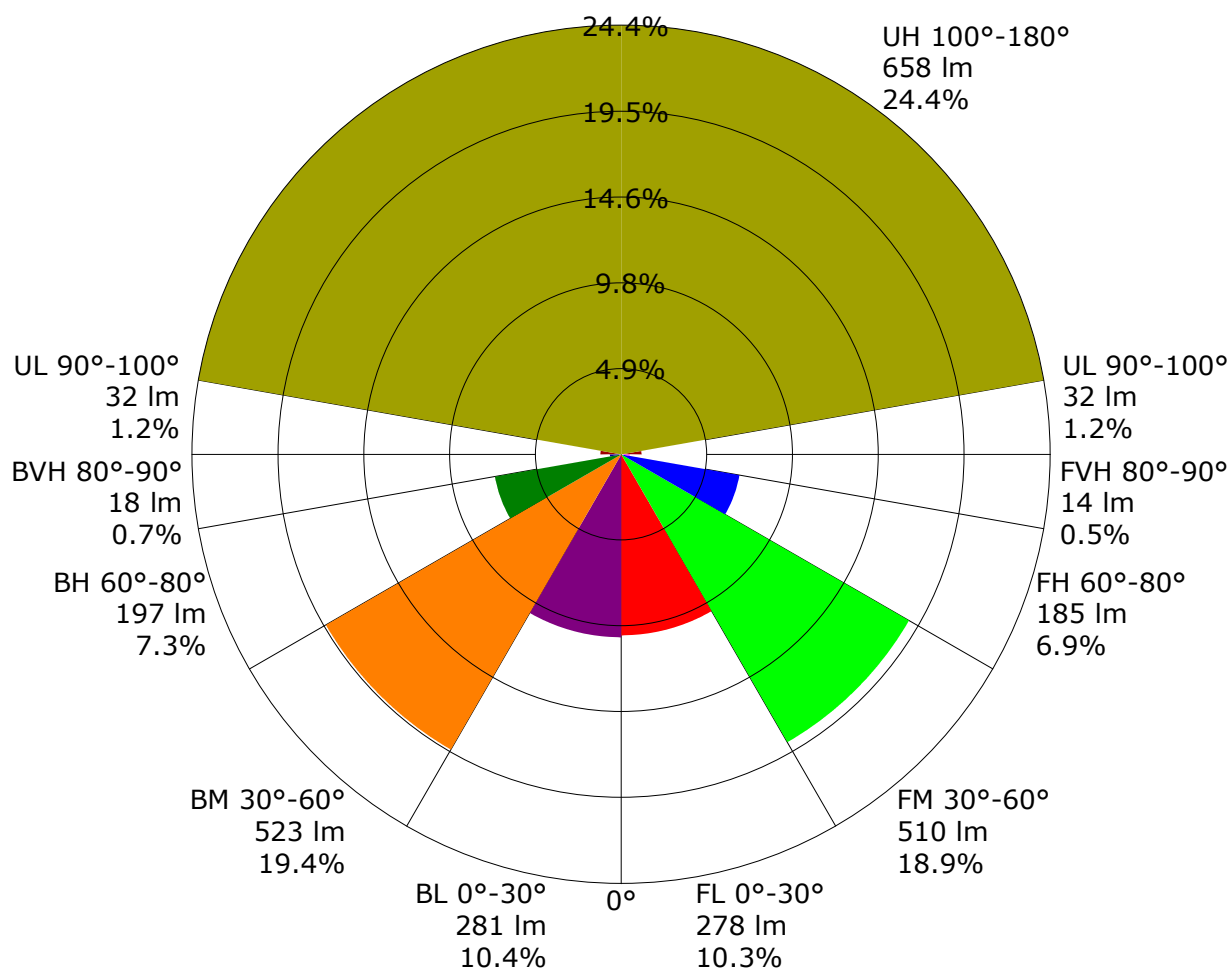
| | ZONE | LUMENS | % LAMP LUMENS |
|--|----------------|--------|---------------|
| | FORWARD LIGHT | 988 | 36.6 |
| | FL (0°-30°) | 278 | 10.3 |
| | FM (30°-60°) | 510 | 18.9 |
| | FH (60°-80°) | 185 | 6.9 |
| | FVH (80°-90°) | 14 | 0.5 |
| | BACK LIGHT | 1020 | 37.8 |
| | BL (0°-30°) | 281 | 10.4 |
| | BM (30°-60°) | 523 | 19.4 |
| | BH (60°-80°) | 197 | 7.3 |
| | BVH (80°-90°) | 18 | 0.7 |
| | UP LIGHT | 690 | 25.6 |
| | UL (90°-100°) | 32 | 1.2 |
| | UH (100°-180°) | 658 | 24.4 |
| | TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07 | |
|--|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B1 U4 G1 |
| Quadrilateral Symmetrical Luminaire Types (Type V,Area Light) | B1 U4 G1 |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F) | | | SHR NOM = 1.25 | | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance | | | Room Index(RI) | | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | |
| 0.70 | 0.50 | 0.20 | 0.51 | 0.61 | 0.68 | 0.73 | 0.80 | 0.85 | 0.88 | 0.92 | 0.95 | |
| | 0.30 | | 0.44 | 0.54 | 0.61 | 0.66 | 0.74 | 0.79 | 0.83 | 0.88 | 0.92 | |
| | 0.20 | | 0.39 | 0.48 | 0.55 | 0.61 | 0.69 | 0.75 | 0.79 | 0.85 | 0.89 | |
| 0.50 | 0.50 | 0.20 | 0.47 | 0.56 | 0.62 | 0.67 | 0.73 | 0.77 | 0.80 | 0.84 | 0.86 | |
| | 0.30 | | 0.41 | 0.50 | 0.56 | 0.61 | 0.68 | 0.73 | 0.76 | 0.81 | 0.84 | |
| | 0.20 | | 0.37 | 0.46 | 0.52 | 0.57 | 0.64 | 0.69 | 0.73 | 0.78 | 0.81 | |
| 0.30 | 0.50 | 0.20 | 0.44 | 0.52 | 0.57 | 0.61 | 0.66 | 0.70 | 0.73 | 0.76 | 0.78 | |
| | 0.30 | | 0.38 | 0.47 | 0.52 | 0.57 | 0.63 | 0.67 | 0.70 | 0.74 | 0.76 | |
| | 0.20 | | 0.35 | 0.43 | 0.49 | 0.53 | 0.60 | 0.64 | 0.67 | 0.72 | 0.74 | |
| 0.00 | 0.00 | 0.00 | 0.30 | 0.37 | 0.43 | 0.46 | 0.52 | 0.56 | 0.58 | 0.62 | 0.64 | |
| Rating:20W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | | |

Utilisation Factor Table(Wall)

| Utilisation Factors UF(W) | | | SHR NOM = 1.25 | | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance | | | Room Index(RI) | | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | |
| 0.70 | 0.50 | 0.20 | 0.94 | 0.78 | 0.66 | 0.58 | 0.46 | 0.38 | 0.33 | 0.25 | 0.21 | |
| | 0.30 | | 0.78 | 0.66 | 0.58 | 0.51 | 0.42 | 0.35 | 0.30 | 0.24 | 0.20 | |
| | 0.20 | | 0.67 | 0.58 | 0.51 | 0.46 | 0.38 | 0.32 | 0.28 | 0.22 | 0.19 | |
| 0.50 | 0.50 | 0.20 | 0.85 | 0.70 | 0.60 | 0.52 | 0.41 | 0.37 | 0.29 | 0.23 | 0.18 | |
| | 0.30 | | 0.72 | 0.61 | 0.53 | 0.46 | 0.38 | 0.32 | 0.27 | 0.21 | 0.18 | |
| | 0.20 | | 0.62 | 0.54 | 0.47 | 0.42 | 0.35 | 0.29 | 0.26 | 0.20 | 0.17 | |
| 0.30 | 0.50 | 0.20 | 0.77 | 0.63 | 0.54 | 0.47 | 0.37 | 0.30 | 0.26 | 0.20 | 0.16 | |
| | 0.30 | | 0.66 | 0.56 | 0.48 | 0.42 | 0.34 | 0.29 | 0.24 | 0.19 | 0.16 | |
| | 0.20 | | 0.58 | 0.50 | 0.43 | 0.39 | 0.32 | 0.27 | 0.23 | 0.18 | 0.15 | |
| 0.00 | 0.00 | 0.00 | 0.44 | 0.37 | 0.32 | 0.28 | 0.23 | 0.19 | 0.16 | 0.13 | 0.10 | |
| Rating:20W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | | |

Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C) | | | SHR NOM = 1.25 | | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance | | | Room Index(RI) | | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | |
| 0.70 | 0.50 | 0.20 | 0.41 | 0.42 | 0.43 | 0.43 | 0.44 | 0.45 | 0.45 | 0.46 | 0.46 | |
| | 0.30 | | 0.34 | 0.36 | 0.37 | 0.38 | 0.40 | 0.41 | 0.41 | 0.43 | 0.43 | |
| | 0.20 | | 0.30 | 0.31 | 0.33 | 0.34 | 0.36 | 0.37 | 0.38 | 0.40 | 0.41 | |
| 0.50 | 0.50 | 0.20 | 0.39 | 0.41 | 0.41 | 0.42 | 0.42 | 0.43 | 0.43 | 0.44 | 0.44 | |
| | 0.30 | | 0.34 | 0.35 | 0.36 | 0.37 | 0.38 | 0.39 | 0.40 | 0.41 | 0.42 | |
| | 0.20 | | 0.30 | 0.31 | 0.32 | 0.33 | 0.35 | 0.36 | 0.37 | 0.39 | 0.40 | |
| 0.30 | 0.50 | 0.20 | 0.38 | 0.39 | 0.40 | 0.40 | 0.41 | 0.41 | 0.42 | 0.42 | 0.42 | |
| | 0.30 | | 0.33 | 0.34 | 0.35 | 0.36 | 0.37 | 0.38 | 0.39 | 0.40 | 0.40 | |
| | 0.20 | | 0.29 | 0.31 | 0.32 | 0.33 | 0.34 | 0.36 | 0.36 | 0.38 | 0.39 | |
| 0.00 | 0.00 | 0.00 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | |
| Rating:20W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | | |

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 730.8 | 0.7 | 0.7 | 0.03 | 0.03 |
| 1.0-2.0 | 730.5 | 2.1 | 2.8 | 0.08 | 0.10 |
| 2.0-3.0 | 729.8 | 3.5 | 6.3 | 0.13 | 0.23 |
| 3.0-4.0 | 728.9 | 4.9 | 11.2 | 0.18 | 0.41 |
| 4.0-5.0 | 727.6 | 6.3 | 17.4 | 0.23 | 0.65 |
| 5.0-6.0 | 726.0 | 7.6 | 25.1 | 0.28 | 0.93 |
| 6.0-7.0 | 724.2 | 9.0 | 34.0 | 0.33 | 1.26 |
| 7.0-8.0 | 722.0 | 10.3 | 44.4 | 0.38 | 1.65 |
| 8.0-9.0 | 719.5 | 11.7 | 56.0 | 0.43 | 2.08 |
| 9.0-10.0 | 716.8 | 13.0 | 69.0 | 0.48 | 2.56 |
| 10.0-11.0 | 713.7 | 14.3 | 83.3 | 0.53 | 3.09 |
| 11.0-12.0 | 710.3 | 15.5 | 98.8 | 0.58 | 3.66 |
| 12.0-13.0 | 706.7 | 16.8 | 115.6 | 0.62 | 4.28 |
| 13.0-14.0 | 702.8 | 18.0 | 133.6 | 0.67 | 4.95 |
| 14.0-15.0 | 698.6 | 19.2 | 152.8 | 0.71 | 5.66 |
| 15.0-16.0 | 694.2 | 20.3 | 173.1 | 0.75 | 6.42 |
| 16.0-17.0 | 689.5 | 21.5 | 194.6 | 0.80 | 7.21 |
| 17.0-18.0 | 684.5 | 22.6 | 217.1 | 0.84 | 8.05 |
| 18.0-19.0 | 679.2 | 23.6 | 240.8 | 0.88 | 8.92 |
| 19.0-20.0 | 673.7 | 24.7 | 265.4 | 0.91 | 9.84 |
| 20.0-21.0 | 667.9 | 25.7 | 291.1 | 0.95 | 10.79 |
| 21.0-22.0 | 661.9 | 26.6 | 317.7 | 0.99 | 11.78 |
| 22.0-23.0 | 655.7 | 27.5 | 345.2 | 1.02 | 12.80 |
| 23.0-24.0 | 649.3 | 28.4 | 373.6 | 1.05 | 13.85 |
| 24.0-25.0 | 642.6 | 29.2 | 402.8 | 1.08 | 14.93 |
| 25.0-26.0 | 635.7 | 30.0 | 432.8 | 1.11 | 16.04 |
| 26.0-27.0 | 628.7 | 30.8 | 463.6 | 1.14 | 17.18 |
| 27.0-28.0 | 621.3 | 31.5 | 495.1 | 1.17 | 18.35 |
| 28.0-29.0 | 613.7 | 32.1 | 527.2 | 1.19 | 19.54 |
| 29.0-30.0 | 606.1 | 32.7 | 559.9 | 1.21 | 20.75 |
| 30.0-31.0 | 598.2 | 33.3 | 593.2 | 1.23 | 21.99 |
| 31.0-32.0 | 590.1 | 33.8 | 627.0 | 1.25 | 23.24 |
| 32.0-33.0 | 582.0 | 34.3 | 661.3 | 1.27 | 24.51 |
| 33.0-34.0 | 573.5 | 34.7 | 696.0 | 1.29 | 25.80 |
| 34.0-35.0 | 564.9 | 35.1 | 731.1 | 1.30 | 27.10 |
| 35.0-36.0 | 556.3 | 35.4 | 766.5 | 1.31 | 28.41 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Zonal Lumen (Continue 1)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 547.5 | 35.7 | 802.2 | 1.32 | 29.74 |
| 37.0-38.0 | 538.4 | 35.9 | 838.2 | 1.33 | 31.07 |
| 38.0-39.0 | 529.2 | 36.1 | 874.3 | 1.34 | 32.41 |
| 39.0-40.0 | 519.9 | 36.3 | 910.6 | 1.34 | 33.75 |
| 40.0-41.0 | 510.5 | 36.4 | 946.9 | 1.35 | 35.10 |
| 41.0-42.0 | 501.0 | 36.4 | 983.3 | 1.35 | 36.45 |
| 42.0-43.0 | 491.3 | 36.4 | 1019.7 | 1.35 | 37.80 |
| 43.0-44.0 | 481.5 | 36.3 | 1056.1 | 1.35 | 39.14 |
| 44.0-45.0 | 471.6 | 36.2 | 1092.3 | 1.34 | 40.49 |
| 45.0-46.0 | 461.6 | 36.1 | 1128.4 | 1.34 | 41.83 |
| 46.0-47.0 | 451.4 | 35.9 | 1164.3 | 1.33 | 43.16 |
| 47.0-48.0 | 441.1 | 35.7 | 1200.0 | 1.32 | 44.48 |
| 48.0-49.0 | 430.9 | 35.4 | 1235.4 | 1.31 | 45.79 |
| 49.0-50.0 | 420.4 | 35.1 | 1270.4 | 1.30 | 47.09 |
| 50.0-51.0 | 409.8 | 34.7 | 1305.1 | 1.29 | 48.38 |
| 51.0-52.0 | 399.2 | 34.3 | 1339.4 | 1.27 | 49.65 |
| 52.0-53.0 | 388.5 | 33.8 | 1373.2 | 1.25 | 50.90 |
| 53.0-54.0 | 377.7 | 33.3 | 1406.5 | 1.23 | 52.13 |
| 54.0-55.0 | 366.8 | 32.7 | 1439.2 | 1.21 | 53.35 |
| 55.0-56.0 | 355.8 | 32.2 | 1471.4 | 1.19 | 54.54 |
| 56.0-57.0 | 344.8 | 31.5 | 1502.9 | 1.17 | 55.71 |
| 57.0-58.0 | 333.6 | 30.9 | 1533.8 | 1.14 | 56.85 |
| 58.0-59.0 | 322.4 | 30.1 | 1563.9 | 1.12 | 57.97 |
| 59.0-60.0 | 311.1 | 29.4 | 1593.3 | 1.09 | 59.06 |
| 60.0-61.0 | 299.7 | 28.6 | 1621.9 | 1.06 | 60.12 |
| 61.0-62.0 | 288.3 | 27.8 | 1649.7 | 1.03 | 61.15 |
| 62.0-63.0 | 276.9 | 26.9 | 1676.6 | 1.00 | 62.15 |
| 63.0-64.0 | 265.3 | 26.0 | 1702.6 | 0.96 | 63.11 |
| 64.0-65.0 | 253.6 | 25.1 | 1727.8 | 0.93 | 64.04 |
| 65.0-66.0 | 242.0 | 24.1 | 1751.9 | 0.90 | 64.94 |
| 66.0-67.0 | 230.2 | 23.2 | 1775.1 | 0.86 | 65.80 |
| 67.0-68.0 | 218.5 | 22.1 | 1797.2 | 0.82 | 66.62 |
| 68.0-69.0 | 206.7 | 21.1 | 1818.3 | 0.78 | 67.40 |
| 69.0-70.0 | 194.8 | 20.0 | 1838.3 | 0.74 | 68.14 |
| 70.0-71.0 | 182.9 | 18.9 | 1857.2 | 0.70 | 68.84 |
| 71.0-72.0 | 171.1 | 17.8 | 1875.0 | 0.66 | 69.50 |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 2)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 159.2 | 16.7 | 1891.6 | 0.62 | 70.12 |
| 73.0-74.0 | 147.4 | 15.5 | 1907.1 | 0.57 | 70.69 |
| 74.0-75.0 | 135.7 | 14.3 | 1921.5 | 0.53 | 71.22 |
| 75.0-76.0 | 124.0 | 13.2 | 1934.6 | 0.49 | 71.71 |
| 76.0-77.0 | 112.4 | 12.0 | 1946.6 | 0.44 | 72.15 |
| 77.0-78.0 | 101.0 | 10.8 | 1957.4 | 0.40 | 72.56 |
| 78.0-79.0 | 89.7 | 9.6 | 1967.1 | 0.36 | 72.91 |
| 79.0-80.0 | 78.7 | 8.5 | 1975.6 | 0.31 | 73.23 |
| 80.0-81.0 | 68.0 | 7.4 | 1982.9 | 0.27 | 73.50 |
| 81.0-82.0 | 57.7 | 6.3 | 1989.2 | 0.23 | 73.73 |
| 82.0-83.0 | 47.8 | 5.2 | 1994.4 | 0.19 | 73.92 |
| 83.0-84.0 | 38.6 | 4.2 | 1998.6 | 0.16 | 74.08 |
| 84.0-85.0 | 30.0 | 3.3 | 2001.8 | 0.12 | 74.20 |
| 85.0-86.0 | 22.0 | 2.4 | 2004.3 | 0.09 | 74.29 |
| 86.0-87.0 | 15.1 | 1.6 | 2005.9 | 0.06 | 74.35 |
| 87.0-88.0 | 9.2 | 1.0 | 2006.9 | 0.04 | 74.39 |
| 88.0-89.0 | 4.5 | 0.5 | 2007.4 | 0.02 | 74.41 |
| 89.0-90.0 | 3.8 | 0.4 | 2007.8 | 0.02 | 74.42 |
| 90.0-91.0 | 7.6 | 0.8 | 2008.7 | 0.03 | 74.45 |
| 91.0-92.0 | 12.4 | 1.4 | 2010.0 | 0.05 | 74.51 |
| 92.0-93.0 | 17.2 | 1.9 | 2011.9 | 0.07 | 74.57 |
| 93.0-94.0 | 21.8 | 2.4 | 2014.3 | 0.09 | 74.66 |
| 94.0-95.0 | 26.6 | 2.9 | 2017.2 | 0.11 | 74.77 |
| 95.0-96.0 | 31.5 | 3.4 | 2020.6 | 0.13 | 74.90 |
| 96.0-97.0 | 36.5 | 4.0 | 2024.6 | 0.15 | 75.05 |
| 97.0-98.0 | 41.6 | 4.5 | 2029.1 | 0.17 | 75.21 |
| 98.0-99.0 | 46.9 | 5.1 | 2034.2 | 0.19 | 75.40 |
| 99.0-100.0 | 52.2 | 5.6 | 2039.9 | 0.21 | 75.61 |
| 100.0-101.0 | 57.6 | 6.2 | 2046.1 | 0.23 | 75.84 |
| 101.0-102.0 | 63.0 | 6.8 | 2052.9 | 0.25 | 76.09 |
| 102.0-103.0 | 68.5 | 7.3 | 2060.2 | 0.27 | 76.36 |
| 103.0-104.0 | 74.0 | 7.9 | 2068.1 | 0.29 | 76.66 |
| 104.0-105.0 | 79.6 | 8.5 | 2076.5 | 0.31 | 76.97 |
| 105.0-106.0 | 85.3 | 9.0 | 2085.6 | 0.33 | 77.30 |
| 106.0-107.0 | 91.2 | 9.6 | 2095.1 | 0.36 | 77.66 |
| 107.0-108.0 | 96.9 | 10.1 | 2105.3 | 0.38 | 78.04 |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 3)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0 | 102.4 | 10.7 | 2115.9 | 0.39 | 78.43 |
| 109.0-110.0 | 107.9 | 11.1 | 2127.1 | 0.41 | 78.84 |
| 110.0-111.0 | 113.1 | 11.6 | 2138.7 | 0.43 | 79.27 |
| 111.0-112.0 | 118.1 | 12.0 | 2150.7 | 0.45 | 79.72 |
| 112.0-113.0 | 122.9 | 12.5 | 2163.2 | 0.46 | 80.18 |
| 113.0-114.0 | 127.7 | 12.8 | 2176.0 | 0.48 | 80.66 |
| 114.0-115.0 | 132.2 | 13.2 | 2189.2 | 0.49 | 81.15 |
| 115.0-116.0 | 136.3 | 13.5 | 2202.7 | 0.50 | 81.65 |
| 116.0-117.0 | 140.0 | 13.7 | 2216.5 | 0.51 | 82.16 |
| 117.0-118.0 | 143.5 | 14.0 | 2230.4 | 0.52 | 82.67 |
| 118.0-119.0 | 146.5 | 14.1 | 2244.5 | 0.52 | 83.20 |
| 119.0-120.0 | 148.9 | 14.2 | 2258.7 | 0.53 | 83.72 |
| 120.0-121.0 | 150.8 | 14.2 | 2273.0 | 0.53 | 84.25 |
| 121.0-122.0 | 152.3 | 14.2 | 2287.2 | 0.53 | 84.78 |
| 122.0-123.0 | 153.3 | 14.2 | 2301.4 | 0.53 | 85.31 |
| 123.0-124.0 | 153.8 | 14.1 | 2315.5 | 0.52 | 85.83 |
| 124.0-125.0 | 154.0 | 13.9 | 2329.4 | 0.52 | 86.34 |
| 125.0-126.0 | 153.9 | 13.7 | 2343.1 | 0.51 | 86.85 |
| 126.0-127.0 | 153.5 | 13.5 | 2356.7 | 0.50 | 87.35 |
| 127.0-128.0 | 152.8 | 13.3 | 2369.9 | 0.49 | 87.85 |
| 128.0-129.0 | 152.0 | 13.0 | 2383.0 | 0.48 | 88.33 |
| 129.0-130.0 | 151.1 | 12.8 | 2395.8 | 0.47 | 88.80 |
| 130.0-131.0 | 150.2 | 12.5 | 2408.3 | 0.46 | 89.27 |
| 131.0-132.0 | 149.3 | 12.3 | 2420.6 | 0.45 | 89.72 |
| 132.0-133.0 | 148.3 | 12.0 | 2432.6 | 0.44 | 90.17 |
| 133.0-134.0 | 147.3 | 11.7 | 2444.3 | 0.43 | 90.60 |
| 134.0-135.0 | 146.2 | 11.4 | 2455.7 | 0.42 | 91.02 |
| 135.0-136.0 | 145.1 | 11.2 | 2466.9 | 0.41 | 91.44 |
| 136.0-137.0 | 144.0 | 10.9 | 2477.7 | 0.40 | 91.84 |
| 137.0-138.0 | 142.9 | 10.6 | 2488.3 | 0.39 | 92.23 |
| 138.0-139.0 | 141.9 | 10.3 | 2498.6 | 0.38 | 92.62 |
| 139.0-140.0 | 140.8 | 10.0 | 2508.7 | 0.37 | 92.99 |
| 140.0-141.0 | 139.8 | 9.7 | 2518.4 | 0.36 | 93.35 |
| 141.0-142.0 | 138.7 | 9.5 | 2527.9 | 0.35 | 93.70 |
| 142.0-143.0 | 137.7 | 9.2 | 2537.1 | 0.34 | 94.04 |
| 143.0-144.0 | 136.7 | 8.9 | 2546.0 | 0.33 | 94.37 |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 4)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0 | 135.7 | 8.6 | 2554.6 | 0.32 | 94.69 |
| 145.0-146.0 | 134.7 | 8.4 | 2563.0 | 0.31 | 95.00 |
| 146.0-147.0 | 133.7 | 8.1 | 2571.1 | 0.30 | 95.30 |
| 147.0-148.0 | 132.8 | 7.8 | 2578.9 | 0.29 | 95.59 |
| 148.0-149.0 | 131.9 | 7.6 | 2586.5 | 0.28 | 95.87 |
| 149.0-150.0 | 131.0 | 7.3 | 2593.8 | 0.27 | 96.14 |
| 150.0-151.0 | 130.1 | 7.0 | 2600.8 | 0.26 | 96.40 |
| 151.0-152.0 | 129.3 | 6.8 | 2607.6 | 0.25 | 96.65 |
| 152.0-153.0 | 128.5 | 6.5 | 2614.1 | 0.24 | 96.89 |
| 153.0-154.0 | 127.7 | 6.2 | 2620.3 | 0.23 | 97.13 |
| 154.0-155.0 | 126.9 | 6.0 | 2626.3 | 0.22 | 97.35 |
| 155.0-156.0 | 126.1 | 5.7 | 2632.0 | 0.21 | 97.56 |
| 156.0-157.0 | 125.4 | 5.5 | 2637.5 | 0.20 | 97.76 |
| 157.0-158.0 | 124.7 | 5.2 | 2642.7 | 0.19 | 97.96 |
| 158.0-159.0 | 123.9 | 5.0 | 2647.7 | 0.18 | 98.14 |
| 159.0-160.0 | 123.3 | 4.7 | 2652.5 | 0.18 | 98.32 |
| 160.0-161.0 | 122.6 | 4.5 | 2656.9 | 0.17 | 98.48 |
| 161.0-162.0 | 122.0 | 4.2 | 2661.2 | 0.16 | 98.64 |
| 162.0-163.0 | 121.4 | 4.0 | 2665.2 | 0.15 | 98.79 |
| 163.0-164.0 | 120.9 | 3.8 | 2669.0 | 0.14 | 98.93 |
| 164.0-165.0 | 120.4 | 3.5 | 2672.5 | 0.13 | 99.06 |
| 165.0-166.0 | 119.9 | 3.3 | 2675.8 | 0.12 | 99.18 |
| 166.0-167.0 | 119.5 | 3.1 | 2678.8 | 0.11 | 99.30 |
| 167.0-168.0 | 119.1 | 2.8 | 2681.7 | 0.10 | 99.40 |
| 168.0-169.0 | 118.7 | 2.6 | 2684.3 | 0.10 | 99.50 |
| 169.0-170.0 | 118.4 | 2.4 | 2686.6 | 0.09 | 99.58 |
| 170.0-171.0 | 118.1 | 2.1 | 2688.8 | 0.08 | 99.66 |
| 171.0-172.0 | 117.8 | 1.9 | 2690.7 | 0.07 | 99.73 |
| 172.0-173.0 | 117.6 | 1.7 | 2692.4 | 0.06 | 99.80 |
| 173.0-174.0 | 117.4 | 1.5 | 2693.8 | 0.05 | 99.85 |
| 174.0-175.0 | 117.2 | 1.2 | 2695.0 | 0.05 | 99.90 |
| 175.0-176.0 | 117.0 | 1.0 | 2696.0 | 0.04 | 99.93 |
| 176.0-177.0 | 116.9 | 0.8 | 2696.8 | 0.03 | 99.96 |
| 177.0-178.0 | 116.8 | 0.6 | 2697.4 | 0.02 | 99.98 |
| 178.0-179.0 | 116.8 | 0.3 | 2697.7 | 0.01 | 100.00 |
| 179.0-180.0 | 116.8 | 0.1 | 2697.8 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 1092.31 lm

%lum = 40.5%
%lamp = 40.5%

cone flux(120°): 1593.30 lm

%lum = 59.1%
%lamp = 59.1%

Candlepower Table

Unit: cd

| G\C | C0.0 | C15.0 | C30.0 | C45.0 | C60.0 | C75.0 | C90.0 | C105.0 | C120.0 | C135.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| G0.0 | 732.2 | 731.8 | 731.7 | 730.7 | 730.9 | 730.5 | 730.5 | 730.8 | 730.8 | 730.4 |
| G1.0 | 731.9 | 731.1 | 731.5 | 730.5 | 730.5 | 730.1 | 730.4 | 730.7 | 730.7 | 730.6 |
| G2.0 | 731.1 | 730.2 | 730.7 | 729.6 | 729.8 | 729.5 | 730.0 | 730.2 | 730.8 | 730.2 |
| G3.0 | 730.1 | 728.8 | 729.6 | 728.7 | 728.7 | 728.4 | 729.2 | 729.6 | 730.1 | 729.2 |
| G4.0 | 728.7 | 727.4 | 728.0 | 727.1 | 727.6 | 727.3 | 728.2 | 728.4 | 729.1 | 728.3 |
| G5.0 | 727.0 | 725.6 | 726.4 | 725.4 | 726.1 | 725.6 | 727.1 | 727.2 | 728.0 | 727.0 |
| G6.0 | 725.0 | 723.6 | 724.1 | 723.4 | 724.4 | 723.9 | 725.3 | 725.2 | 726.3 | 725.4 |
| G7.0 | 722.4 | 720.9 | 721.8 | 721.1 | 722.3 | 721.9 | 723.5 | 723.3 | 724.6 | 723.8 |
| G8.0 | 719.9 | 718.3 | 719.3 | 718.4 | 719.9 | 719.5 | 721.4 | 721.2 | 722.5 | 721.6 |
| G9.0 | 717.0 | 715.4 | 716.5 | 715.4 | 717.2 | 716.6 | 718.8 | 718.5 | 719.9 | 718.9 |
| G10.0 | 713.9 | 712.0 | 713.2 | 712.4 | 714.1 | 713.7 | 716.1 | 715.6 | 717.4 | 716.4 |
| G11.0 | 710.4 | 708.5 | 709.8 | 708.9 | 710.7 | 710.4 | 712.9 | 712.5 | 714.4 | 713.3 |
| G12.0 | 706.3 | 704.4 | 706.1 | 705.1 | 707.1 | 706.8 | 709.7 | 709.0 | 711.3 | 710.0 |
| G13.0 | 702.4 | 700.0 | 702.4 | 701.2 | 703.3 | 703.1 | 706.1 | 705.3 | 707.6 | 706.2 |
| G14.0 | 698.0 | 695.8 | 697.9 | 696.6 | 699.1 | 698.8 | 701.9 | 701.7 | 703.7 | 702.6 |
| G15.0 | 693.7 | 691.5 | 693.6 | 692.0 | 694.7 | 694.4 | 697.6 | 697.2 | 699.9 | 698.4 |
| G16.0 | 689.0 | 685.8 | 688.4 | 687.2 | 690.1 | 689.8 | 693.5 | 692.7 | 695.5 | 694.0 |
| G17.0 | 683.5 | 680.7 | 683.3 | 682.3 | 685.2 | 685.2 | 688.8 | 687.9 | 690.9 | 689.0 |
| G18.0 | 678.1 | 675.4 | 678.1 | 676.6 | 679.7 | 680.0 | 683.9 | 683.1 | 686.0 | 684.1 |
| G19.0 | 672.3 | 669.5 | 672.6 | 671.1 | 674.5 | 674.2 | 678.3 | 677.4 | 680.6 | 679.0 |
| G20.0 | 666.8 | 663.8 | 666.6 | 665.4 | 668.9 | 668.8 | 672.9 | 672.0 | 675.2 | 673.4 |
| G21.0 | 660.1 | 657.2 | 660.3 | 659.4 | 663.1 | 662.8 | 667.2 | 666.2 | 669.8 | 667.9 |
| G22.0 | 653.9 | 650.7 | 654.1 | 652.5 | 656.6 | 656.8 | 661.1 | 660.3 | 663.6 | 661.3 |
| G23.0 | 647.0 | 644.1 | 647.9 | 646.6 | 650.2 | 650.2 | 654.8 | 654.1 | 657.4 | 655.0 |
| G24.0 | 640.8 | 637.3 | 641.3 | 639.3 | 643.6 | 643.4 | 648.5 | 648.1 | 651.1 | 648.9 |
| G25.0 | 633.0 | 630.4 | 633.7 | 632.6 | 636.4 | 636.7 | 641.6 | 640.8 | 644.3 | 642.3 |
| G26.0 | 626.4 | 622.6 | 626.8 | 625.5 | 629.9 | 629.8 | 635.5 | 634.0 | 638.1 | 635.4 |
| G27.0 | 618.8 | 615.4 | 619.5 | 618.4 | 622.6 | 622.8 | 628.3 | 627.0 | 630.3 | 627.8 |
| G28.0 | 611.1 | 607.7 | 611.1 | 610.1 | 615.3 | 614.7 | 620.7 | 619.3 | 623.4 | 620.6 |
| G29.0 | 603.6 | 600.1 | 603.5 | 602.6 | 607.7 | 607.1 | 613.3 | 611.9 | 615.9 | 613.4 |
| G30.0 | 595.8 | 592.1 | 595.6 | 594.8 | 600.0 | 599.6 | 605.5 | 604.3 | 608.2 | 605.7 |
| G31.0 | 587.0 | 583.5 | 587.9 | 586.8 | 591.7 | 591.8 | 597.3 | 596.5 | 600.1 | 597.3 |
| G32.0 | 579.3 | 575.1 | 578.9 | 577.8 | 584.1 | 583.1 | 590.0 | 588.5 | 592.5 | 589.3 |
| G33.0 | 570.3 | 566.7 | 570.9 | 569.6 | 575.8 | 574.8 | 581.7 | 579.6 | 584.5 | 581.0 |
| G34.0 | 561.8 | 558.1 | 562.4 | 561.0 | 566.8 | 566.4 | 572.8 | 571.4 | 575.6 | 572.8 |
| G35.0 | 553.1 | 548.5 | 552.9 | 552.4 | 558.3 | 557.9 | 564.4 | 562.8 | 567.3 | 564.3 |
| G36.0 | 544.6 | 539.9 | 544.2 | 543.7 | 549.6 | 549.4 | 555.9 | 554.5 | 558.8 | 555.0 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C15.0 | C30.0 | C45.0 | C60.0 | C75.0 | C90.0 | C105.0 | C120.0 | C135.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| G37.0 | 534.8 | 530.7 | 535.4 | 534.8 | 541.2 | 540.5 | 547.5 | 545.7 | 550.2 | 546.2 |
| G38.0 | 525.9 | 522.0 | 526.6 | 525.1 | 531.1 | 530.8 | 538.4 | 536.0 | 540.5 | 537.3 |
| G39.0 | 516.7 | 512.9 | 517.5 | 515.9 | 522.2 | 521.9 | 528.6 | 526.9 | 531.4 | 528.3 |
| G40.0 | 507.3 | 503.4 | 508.0 | 506.7 | 513.0 | 512.5 | 519.5 | 517.7 | 522.1 | 519.1 |
| G41.0 | 497.6 | 493.1 | 497.8 | 496.4 | 503.6 | 503.4 | 510.2 | 508.6 | 512.9 | 508.9 |
| G42.0 | 487.4 | 483.4 | 488.2 | 486.9 | 493.6 | 493.0 | 501.0 | 499.0 | 503.3 | 499.5 |
| G43.0 | 477.8 | 473.7 | 478.5 | 477.2 | 483.8 | 483.4 | 491.4 | 489.6 | 493.9 | 489.9 |
| G44.0 | 468.1 | 464.1 | 468.3 | 467.5 | 474.5 | 473.7 | 481.1 | 479.0 | 483.9 | 480.4 |
| G45.0 | 457.5 | 453.2 | 458.5 | 457.7 | 464.5 | 463.9 | 471.2 | 469.2 | 474.0 | 469.5 |
| G46.0 | 447.5 | 443.1 | 448.6 | 447.6 | 454.0 | 453.9 | 461.6 | 459.5 | 464.4 | 460.6 |
| G47.0 | 437.7 | 433.1 | 438.5 | 436.6 | 443.8 | 443.7 | 450.6 | 449.5 | 453.4 | 449.7 |
| G48.0 | 427.6 | 422.9 | 427.4 | 426.6 | 434.1 | 432.6 | 440.7 | 438.4 | 443.7 | 439.6 |
| G49.0 | 416.4 | 412.6 | 417.2 | 416.5 | 423.8 | 422.5 | 430.5 | 428.3 | 433.5 | 429.4 |
| G50.0 | 405.8 | 401.4 | 406.7 | 406.0 | 412.3 | 412.2 | 420.2 | 417.8 | 423.2 | 419.0 |
| G51.0 | 395.4 | 390.9 | 396.5 | 394.8 | 402.2 | 400.9 | 408.9 | 406.4 | 412.0 | 407.9 |
| G52.0 | 385.0 | 380.4 | 385.8 | 384.3 | 391.6 | 390.4 | 398.3 | 396.0 | 401.4 | 397.3 |
| G53.0 | 374.2 | 369.9 | 374.0 | 373.6 | 381.2 | 380.0 | 387.8 | 385.6 | 391.0 | 386.9 |
| G54.0 | 362.7 | 358.2 | 363.7 | 362.8 | 369.5 | 369.4 | 377.2 | 374.7 | 380.3 | 375.2 |
| G55.0 | 352.1 | 347.3 | 352.8 | 351.1 | 359.0 | 357.3 | 365.5 | 363.8 | 368.6 | 364.4 |
| G56.0 | 341.3 | 336.6 | 341.2 | 340.3 | 348.2 | 346.7 | 354.9 | 353.1 | 357.9 | 353.6 |
| G57.0 | 329.4 | 324.7 | 330.1 | 329.4 | 337.2 | 335.8 | 343.8 | 341.1 | 347.2 | 342.9 |
| G58.0 | 318.6 | 313.4 | 319.4 | 318.4 | 325.4 | 324.7 | 332.2 | 330.1 | 335.2 | 331.7 |
| G59.0 | 307.3 | 302.5 | 308.4 | 307.2 | 314.3 | 313.4 | 320.9 | 319.0 | 324.3 | 320.6 |
| G60.0 | 296.2 | 291.1 | 296.4 | 294.9 | 303.3 | 301.2 | 310.0 | 307.8 | 313.3 | 308.4 |
| G61.0 | 283.8 | 279.7 | 285.0 | 283.7 | 290.9 | 290.0 | 298.7 | 295.5 | 302.1 | 297.1 |
| G62.0 | 272.5 | 268.5 | 273.8 | 272.5 | 279.7 | 278.8 | 287.2 | 284.3 | 290.8 | 285.9 |
| G63.0 | 261.3 | 256.4 | 262.6 | 261.2 | 268.5 | 267.6 | 274.8 | 273.0 | 278.4 | 274.5 |
| G64.0 | 249.7 | 244.9 | 250.1 | 248.7 | 257.0 | 254.9 | 263.4 | 261.6 | 267.1 | 262.1 |
| G65.0 | 238.4 | 233.5 | 238.6 | 237.5 | 245.6 | 243.4 | 252.0 | 250.1 | 255.6 | 250.6 |
| G66.0 | 225.8 | 221.9 | 227.5 | 225.7 | 232.9 | 232.1 | 240.4 | 237.4 | 244.2 | 239.2 |
| G67.0 | 214.7 | 209.2 | 216.1 | 214.1 | 221.8 | 220.3 | 228.1 | 225.8 | 231.6 | 227.7 |
| G68.0 | 203.1 | 197.7 | 203.4 | 202.8 | 210.3 | 208.9 | 216.5 | 214.2 | 219.9 | 214.9 |
| G69.0 | 190.5 | 186.0 | 192.1 | 191.0 | 197.6 | 197.1 | 205.1 | 202.4 | 208.4 | 203.2 |
| G70.0 | 179.1 | 174.5 | 180.4 | 178.3 | 185.9 | 184.2 | 192.1 | 189.6 | 195.6 | 191.7 |
| G71.0 | 167.5 | 163.1 | 167.9 | 166.7 | 174.6 | 172.7 | 180.6 | 177.9 | 184.0 | 180.3 |
| G72.0 | 155.4 | 150.7 | 156.7 | 155.4 | 162.0 | 161.2 | 169.2 | 166.5 | 172.7 | 167.5 |
| G73.0 | 143.2 | 139.0 | 144.8 | 143.6 | 150.1 | 149.3 | 157.3 | 154.5 | 159.8 | 156.7 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C15.0 | C30.0 | C45.0 | C60.0 | C75.0 | C90.0 | C105.0 | C120.0 | C135.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| G74.0 | 131.4 | 127.3 | 133.0 | 131.7 | 138.2 | 137.5 | 145.2 | 142.7 | 147.8 | 143.8 |
| G75.0 | 120.4 | 116.5 | 120.9 | 119.6 | 127.1 | 125.4 | 133.0 | 131.4 | 136.6 | 132.7 |
| G76.0 | 108.6 | 104.7 | 110.2 | 108.8 | 115.1 | 114.3 | 120.9 | 119.4 | 124.6 | 120.7 |
| G77.0 | 97.6 | 93.7 | 97.9 | 96.6 | 103.7 | 102.9 | 109.5 | 107.9 | 113.1 | 109.3 |
| G78.0 | 86.1 | 83.1 | 86.7 | 86.1 | 92.3 | 91.4 | 97.9 | 96.4 | 101.4 | 98.5 |
| G79.0 | 75.1 | 71.8 | 76.1 | 75.5 | 81.4 | 80.4 | 87.0 | 85.3 | 90.5 | 87.4 |
| G80.0 | 65.1 | 62.1 | 65.5 | 64.6 | 69.9 | 69.4 | 75.7 | 74.0 | 79.2 | 76.1 |
| G81.0 | 54.9 | 52.4 | 55.7 | 54.7 | 59.7 | 59.1 | 64.6 | 63.5 | 68.2 | 66.0 |
| G82.0 | 45.4 | 42.6 | 45.5 | 45.1 | 49.7 | 49.0 | 54.3 | 53.2 | 58.0 | 55.9 |
| G83.0 | 36.0 | 33.8 | 36.3 | 35.9 | 39.7 | 39.8 | 44.1 | 43.4 | 47.6 | 46.1 |
| G84.0 | 27.5 | 25.7 | 28.2 | 27.6 | 30.6 | 30.9 | 34.8 | 34.3 | 37.9 | 37.0 |
| G85.0 | 20.0 | 18.6 | 20.3 | 19.8 | 22.5 | 22.7 | 26.1 | 26.2 | 29.2 | 28.2 |
| G86.0 | 13.0 | 12.0 | 13.3 | 13.2 | 15.1 | 15.5 | 18.0 | 18.2 | 20.9 | 20.6 |
| G87.0 | 7.3 | 6.5 | 7.5 | 7.7 | 9.2 | 9.6 | 11.5 | 11.6 | 14.1 | 13.8 |
| G88.0 | 2.8 | 2.3 | 2.8 | 3.3 | 4.4 | 4.6 | 6.5 | 6.4 | 8.3 | 8.3 |
| G89.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.4 | 2.3 | 3.6 | 3.9 |
| G90.0 | 1.1 | 1.3 | 1.6 | 2.3 | 1.6 | 0.7 | 0.2 | 2.5 | 8.6 | 12.8 |
| G91.0 | 4.0 | 4.8 | 6.4 | 10.0 | 7.6 | 4.0 | 0.5 | 6.4 | 15.5 | 20.2 |
| G92.0 | 7.4 | 8.9 | 12.0 | 18.1 | 14.7 | 7.4 | 0.7 | 9.6 | 21.8 | 27.9 |
| G93.0 | 10.9 | 13.3 | 17.5 | 25.6 | 21.2 | 9.0 | 1.2 | 11.1 | 25.8 | 35.1 |
| G94.0 | 14.9 | 17.9 | 23.4 | 33.4 | 27.6 | 10.3 | 1.9 | 11.9 | 33.2 | 39.6 |
| G95.0 | 19.3 | 22.8 | 29.9 | 41.1 | 33.1 | 11.6 | 2.9 | 13.6 | 37.9 | 45.3 |
| G96.0 | 23.9 | 28.3 | 36.7 | 49.3 | 37.4 | 12.9 | 4.0 | 15.4 | 41.5 | 52.6 |
| G97.0 | 29.3 | 34.7 | 44.2 | 56.3 | 40.8 | 14.2 | 5.1 | 16.9 | 45.6 | 60.4 |
| G98.0 | 35.4 | 42.1 | 52.3 | 63.4 | 44.5 | 15.6 | 6.4 | 18.3 | 49.9 | 66.5 |
| G99.0 | 42.3 | 49.6 | 60.4 | 68.9 | 48.2 | 17.0 | 7.7 | 19.8 | 54.3 | 73.3 |
| G100.0 | 49.7 | 57.8 | 68.5 | 74.7 | 51.8 | 18.4 | 9.1 | 21.4 | 59.0 | 81.2 |
| G101.0 | 57.7 | 66.2 | 76.2 | 80.5 | 55.5 | 19.8 | 10.4 | 23.3 | 63.6 | 88.6 |
| G102.0 | 65.9 | 74.1 | 84.2 | 86.6 | 59.2 | 21.2 | 11.8 | 25.5 | 68.5 | 95.7 |
| G103.0 | 74.0 | 82.5 | 91.6 | 92.3 | 62.8 | 22.7 | 13.2 | 27.3 | 73.5 | 101.3 |
| G104.0 | 82.0 | 91.0 | 99.2 | 98.9 | 66.1 | 24.1 | 14.6 | 29.2 | 77.5 | 108.7 |
| G105.0 | 91.2 | 100.6 | 107.2 | 104.8 | 69.4 | 25.5 | 16.0 | 30.8 | 81.4 | 114.3 |
| G106.0 | 100.5 | 109.8 | 114.7 | 111.6 | 72.2 | 26.9 | 17.4 | 32.7 | 84.6 | 121.4 |
| G107.0 | 110.3 | 119.4 | 122.2 | 118.1 | 74.9 | 28.3 | 18.8 | 34.6 | 87.8 | 129.1 |
| G108.0 | 120.8 | 129.2 | 129.8 | 124.7 | 77.4 | 29.8 | 20.3 | 36.4 | 91.1 | 133.8 |
| G109.0 | 130.4 | 138.8 | 136.7 | 130.8 | 79.4 | 31.3 | 21.9 | 37.9 | 94.6 | 141.9 |
| G110.0 | 140.0 | 147.6 | 144.6 | 137.3 | 81.3 | 32.7 | 23.4 | 39.2 | 98.7 | 147.2 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

| G\C | C0.0 | C15.0 | C30.0 | C45.0 | C60.0 | C75.0 | C90.0 | C105.0 | C120.0 | C135.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| G111.0 | 150.4 | 157.0 | 151.8 | 142.9 | 82.8 | 34.2 | 24.9 | 40.5 | 101.9 | 154.0 |
| G112.0 | 159.5 | 165.2 | 159.0 | 148.0 | 84.1 | 35.6 | 26.5 | 41.8 | 103.6 | 160.2 |
| G113.0 | 168.2 | 173.2 | 166.2 | 152.4 | 85.0 | 37.0 | 28.2 | 43.2 | 104.9 | 164.6 |
| G114.0 | 176.8 | 181.8 | 173.9 | 156.5 | 85.8 | 38.5 | 29.8 | 44.4 | 105.8 | 171.8 |
| G115.0 | 185.9 | 189.5 | 180.7 | 159.4 | 86.5 | 40.1 | 31.4 | 45.7 | 106.4 | 176.8 |
| G116.0 | 193.9 | 197.0 | 187.1 | 161.5 | 86.9 | 41.5 | 33.0 | 46.9 | 106.6 | 180.2 |
| G117.0 | 201.7 | 204.0 | 192.9 | 163.0 | 87.2 | 43.0 | 34.7 | 48.2 | 106.6 | 182.4 |
| G118.0 | 208.9 | 211.1 | 197.9 | 163.5 | 87.5 | 44.7 | 36.5 | 49.4 | 106.4 | 184.0 |
| G119.0 | 215.6 | 216.8 | 202.1 | 163.4 | 87.7 | 46.2 | 38.2 | 50.7 | 106.0 | 184.6 |
| G120.0 | 222.1 | 221.8 | 205.6 | 162.8 | 87.9 | 47.7 | 39.9 | 52.1 | 105.5 | 184.4 |
| G121.0 | 227.2 | 225.7 | 207.9 | 161.6 | 88.1 | 49.2 | 41.6 | 53.4 | 105.0 | 183.7 |
| G122.0 | 231.4 | 228.8 | 209.1 | 160.2 | 88.3 | 50.8 | 43.3 | 54.7 | 104.5 | 182.4 |
| G123.0 | 234.5 | 230.9 | 209.6 | 158.6 | 88.6 | 52.5 | 45.2 | 56.0 | 104.0 | 180.6 |
| G124.0 | 236.6 | 231.8 | 209.2 | 156.8 | 88.9 | 54.1 | 46.9 | 57.6 | 103.6 | 178.6 |
| G125.0 | 237.7 | 231.9 | 208.2 | 154.8 | 89.2 | 55.6 | 48.6 | 58.9 | 103.2 | 176.5 |
| G126.0 | 237.9 | 231.2 | 206.6 | 152.9 | 89.6 | 57.4 | 50.3 | 60.3 | 102.9 | 173.9 |
| G127.0 | 237.3 | 229.9 | 204.7 | 151.2 | 90.1 | 59.0 | 52.1 | 61.9 | 102.7 | 171.6 |
| G128.0 | 236.1 | 228.1 | 202.4 | 149.3 | 90.5 | 60.6 | 53.8 | 63.4 | 102.6 | 169.1 |
| G129.0 | 234.3 | 226.0 | 200.0 | 147.6 | 91.1 | 62.3 | 55.5 | 64.8 | 102.5 | 166.8 |
| G130.0 | 232.2 | 223.3 | 197.5 | 146.1 | 91.7 | 63.9 | 57.2 | 66.3 | 102.5 | 164.2 |
| G131.0 | 229.9 | 220.8 | 194.9 | 144.6 | 92.3 | 65.6 | 59.0 | 67.8 | 102.5 | 162.0 |
| G132.0 | 227.4 | 218.1 | 192.1 | 143.2 | 93.0 | 67.3 | 60.7 | 69.3 | 102.6 | 159.8 |
| G133.0 | 224.5 | 215.3 | 189.5 | 141.8 | 93.7 | 68.8 | 62.3 | 70.9 | 102.8 | 157.8 |
| G134.0 | 221.6 | 212.4 | 186.9 | 140.6 | 94.4 | 70.4 | 64.2 | 72.4 | 103.0 | 155.6 |
| G135.0 | 218.8 | 209.1 | 184.3 | 139.5 | 95.2 | 72.1 | 65.7 | 73.8 | 103.2 | 153.8 |
| G136.0 | 215.8 | 206.1 | 181.8 | 138.4 | 95.9 | 73.6 | 67.5 | 75.5 | 103.5 | 152.1 |
| G137.0 | 212.4 | 203.1 | 179.0 | 137.3 | 96.7 | 75.2 | 69.2 | 76.9 | 103.8 | 150.3 |
| G138.0 | 209.2 | 199.8 | 176.5 | 136.3 | 97.5 | 76.8 | 70.8 | 78.5 | 104.2 | 148.8 |
| G139.0 | 206.1 | 196.7 | 174.1 | 135.4 | 98.3 | 78.4 | 72.5 | 79.9 | 104.5 | 147.2 |
| G140.0 | 202.9 | 193.7 | 171.8 | 134.5 | 99.1 | 79.9 | 74.3 | 81.5 | 104.9 | 145.7 |
| G141.0 | 199.7 | 190.6 | 169.4 | 133.6 | 99.9 | 81.5 | 75.9 | 83.0 | 105.3 | 144.3 |
| G142.0 | 196.5 | 187.6 | 167.1 | 132.8 | 100.7 | 82.9 | 77.6 | 84.4 | 105.7 | 142.8 |
| G143.0 | 193.1 | 184.3 | 164.7 | 132.1 | 101.5 | 84.6 | 79.1 | 85.8 | 106.2 | 141.4 |
| G144.0 | 189.8 | 181.4 | 162.4 | 131.4 | 102.3 | 86.1 | 80.7 | 87.3 | 106.7 | 140.2 |
| G145.0 | 186.7 | 178.4 | 160.2 | 130.6 | 103.2 | 87.6 | 82.5 | 88.7 | 107.2 | 138.9 |
| G146.0 | 183.4 | 175.5 | 157.8 | 129.9 | 103.9 | 89.2 | 84.1 | 90.1 | 107.6 | 137.7 |
| G147.0 | 180.0 | 172.4 | 155.6 | 129.3 | 104.9 | 90.8 | 85.7 | 91.4 | 108.1 | 136.4 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

| G\C | C0.0 | C15.0 | C30.0 | C45.0 | C60.0 | C75.0 | C90.0 | C105.0 | C120.0 | C135.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| G148.0 | 176.8 | 169.5 | 153.5 | 128.6 | 105.7 | 92.3 | 87.2 | 92.8 | 108.6 | 135.3 |
| G149.0 | 173.8 | 166.7 | 151.5 | 128.0 | 106.5 | 93.8 | 88.8 | 94.3 | 109.1 | 134.2 |
| G150.0 | 170.8 | 163.6 | 149.4 | 127.4 | 107.4 | 95.3 | 90.5 | 95.6 | 109.5 | 132.8 |
| G151.0 | 167.7 | 160.8 | 147.4 | 126.8 | 108.1 | 96.9 | 92.1 | 96.9 | 109.9 | 131.8 |
| G152.0 | 164.7 | 158.1 | 145.3 | 126.2 | 108.9 | 98.3 | 93.7 | 98.3 | 110.4 | 130.7 |
| G153.0 | 161.4 | 155.3 | 143.4 | 125.6 | 109.6 | 99.7 | 95.2 | 99.6 | 110.8 | 129.7 |
| G154.0 | 158.5 | 152.7 | 141.6 | 125.1 | 110.3 | 101.1 | 96.8 | 100.8 | 111.3 | 128.7 |
| G155.0 | 155.6 | 150.1 | 139.8 | 124.5 | 110.9 | 102.3 | 98.4 | 102.0 | 111.7 | 127.6 |
| G156.0 | 152.6 | 147.3 | 137.9 | 124.0 | 111.6 | 103.7 | 99.9 | 103.2 | 112.1 | 126.6 |
| G157.0 | 149.8 | 144.9 | 136.2 | 123.5 | 112.2 | 104.9 | 101.3 | 104.4 | 112.5 | 125.7 |
| G158.0 | 147.1 | 142.6 | 134.7 | 123.0 | 112.7 | 106.0 | 102.6 | 105.5 | 112.8 | 124.8 |
| G159.0 | 144.5 | 140.1 | 133.1 | 122.6 | 113.3 | 107.0 | 103.9 | 106.6 | 113.1 | 123.9 |
| G160.0 | 142.0 | 138.1 | 131.8 | 122.2 | 113.7 | 108.1 | 105.1 | 107.6 | 113.4 | 123.1 |
| G161.0 | 139.6 | 136.0 | 130.3 | 121.7 | 114.2 | 109.0 | 106.2 | 108.5 | 113.7 | 122.4 |
| G162.0 | 137.1 | 134.1 | 129.0 | 121.4 | 114.6 | 109.9 | 107.3 | 109.3 | 114.0 | 121.6 |
| G163.0 | 135.0 | 132.2 | 127.8 | 121.1 | 115.0 | 110.7 | 108.3 | 110.1 | 114.3 | 121.0 |
| G164.0 | 133.1 | 130.5 | 126.7 | 120.8 | 115.4 | 111.5 | 109.3 | 110.9 | 114.6 | 120.4 |
| G165.0 | 131.2 | 129.0 | 125.7 | 120.5 | 115.7 | 112.2 | 110.3 | 111.6 | 114.8 | 119.9 |
| G166.0 | 129.3 | 127.5 | 124.7 | 120.1 | 116.0 | 112.8 | 111.1 | 112.3 | 115.0 | 119.4 |
| G167.0 | 127.8 | 126.2 | 123.8 | 119.8 | 116.2 | 113.4 | 111.8 | 112.9 | 115.3 | 119.0 |
| G168.0 | 126.3 | 124.9 | 123.0 | 119.6 | 116.4 | 113.9 | 112.5 | 113.4 | 115.5 | 118.5 |
| G169.0 | 125.1 | 123.8 | 122.2 | 119.3 | 116.5 | 114.4 | 113.2 | 113.9 | 115.6 | 118.2 |
| G170.0 | 123.8 | 122.8 | 121.5 | 119.0 | 116.7 | 114.8 | 113.7 | 114.4 | 115.8 | 117.8 |
| G171.0 | 122.7 | 121.9 | 120.9 | 118.7 | 116.8 | 115.2 | 114.2 | 114.7 | 115.9 | 117.5 |
| G172.0 | 121.7 | 121.0 | 120.2 | 118.4 | 116.9 | 115.5 | 114.7 | 115.1 | 115.9 | 117.3 |
| G173.0 | 120.8 | 120.2 | 119.7 | 118.2 | 116.9 | 115.8 | 115.2 | 115.4 | 116.0 | 117.1 |
| G174.0 | 120.1 | 119.5 | 119.1 | 117.9 | 116.9 | 116.1 | 115.6 | 115.7 | 116.2 | 116.9 |
| G175.0 | 119.3 | 118.8 | 118.5 | 117.6 | 116.9 | 116.3 | 115.9 | 116.0 | 116.3 | 116.8 |
| G176.0 | 118.6 | 118.1 | 118.0 | 117.4 | 116.9 | 116.5 | 116.2 | 116.3 | 116.4 | 116.7 |
| G177.0 | 118.1 | 117.7 | 117.7 | 117.2 | 116.9 | 116.7 | 116.4 | 116.5 | 116.5 | 116.6 |
| G178.0 | 117.6 | 117.3 | 117.3 | 117.0 | 116.9 | 116.7 | 116.6 | 116.7 | 116.6 | 116.6 |
| G179.0 | 117.2 | 117.0 | 117.1 | 116.9 | 116.9 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 |
| G180.0 | 116.9 | 116.8 | 116.9 | 116.7 | 116.8 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 |
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| | | | | | | | | | | |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

| G\C | C150.0 | C165.0 | C180.0 | C195.0 | C210.0 | C225.0 | C240.0 | C255.0 | C270.0 | C285.0 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G0.0 | 730.2 | 730.3 | 732.2 | 731.8 | 731.7 | 730.7 | 730.9 | 730.5 | 730.5 | 730.8 |
| G1.0 | 730.3 | 730.2 | 732.3 | 731.9 | 731.8 | 731.0 | 730.8 | 730.5 | 730.3 | 730.5 |
| G2.0 | 730.1 | 730.1 | 732.0 | 731.7 | 731.6 | 730.9 | 730.4 | 730.3 | 729.7 | 730.1 |
| G3.0 | 729.9 | 729.4 | 731.4 | 731.3 | 731.0 | 730.4 | 729.9 | 729.8 | 728.9 | 729.4 |
| G4.0 | 729.0 | 728.6 | 730.7 | 730.5 | 730.0 | 729.8 | 728.9 | 728.8 | 727.8 | 728.0 |
| G5.0 | 727.8 | 727.4 | 729.4 | 729.6 | 728.8 | 728.9 | 727.7 | 727.5 | 726.2 | 726.6 |
| G6.0 | 726.3 | 725.9 | 727.9 | 728.4 | 727.4 | 727.4 | 726.0 | 726.0 | 724.6 | 725.0 |
| G7.0 | 724.8 | 724.0 | 726.2 | 726.5 | 725.8 | 725.7 | 724.1 | 724.0 | 722.7 | 723.0 |
| G8.0 | 722.9 | 722.0 | 724.0 | 724.5 | 723.3 | 723.7 | 721.9 | 722.1 | 720.4 | 721.0 |
| G9.0 | 720.3 | 719.5 | 721.7 | 722.2 | 720.8 | 721.6 | 719.6 | 719.8 | 718.0 | 718.1 |
| G10.0 | 717.8 | 716.6 | 718.8 | 719.6 | 718.1 | 718.9 | 716.8 | 716.9 | 714.8 | 715.2 |
| G11.0 | 715.0 | 713.4 | 715.8 | 716.5 | 715.2 | 715.8 | 713.8 | 714.0 | 711.6 | 712.1 |
| G12.0 | 711.6 | 710.3 | 712.2 | 713.3 | 712.2 | 712.7 | 710.3 | 710.8 | 708.1 | 708.6 |
| G13.0 | 708.1 | 706.7 | 708.8 | 709.8 | 708.5 | 709.5 | 706.5 | 707.2 | 704.4 | 705.1 |
| G14.0 | 704.3 | 702.6 | 705.2 | 706.3 | 704.3 | 705.3 | 702.8 | 703.3 | 700.6 | 700.9 |
| G15.0 | 700.3 | 698.3 | 700.3 | 702.3 | 700.2 | 701.4 | 698.9 | 699.1 | 696.1 | 696.5 |
| G16.0 | 696.2 | 693.7 | 696.3 | 697.9 | 695.9 | 697.0 | 694.1 | 694.7 | 691.6 | 692.2 |
| G17.0 | 691.6 | 689.4 | 691.6 | 693.1 | 691.2 | 692.2 | 689.2 | 690.1 | 686.9 | 687.4 |
| G18.0 | 686.2 | 684.3 | 686.3 | 688.2 | 685.9 | 687.7 | 684.4 | 685.2 | 681.9 | 681.9 |
| G19.0 | 681.1 | 678.4 | 681.3 | 683.1 | 680.8 | 682.6 | 679.5 | 679.9 | 676.3 | 676.8 |
| G20.0 | 675.8 | 672.9 | 675.9 | 677.8 | 675.3 | 677.0 | 673.9 | 674.4 | 670.7 | 671.1 |
| G21.0 | 669.9 | 667.2 | 669.6 | 671.7 | 669.3 | 671.5 | 668.0 | 669.0 | 664.9 | 665.5 |
| G22.0 | 664.1 | 661.3 | 663.5 | 666.0 | 663.2 | 665.6 | 662.2 | 663.2 | 659.4 | 659.8 |
| G23.0 | 657.9 | 655.1 | 657.2 | 660.1 | 657.6 | 659.7 | 656.0 | 656.7 | 653.0 | 653.0 |
| G24.0 | 651.4 | 648.7 | 651.0 | 653.9 | 650.8 | 652.9 | 649.5 | 650.3 | 646.6 | 646.8 |
| G25.0 | 644.7 | 641.5 | 644.2 | 646.5 | 644.0 | 646.3 | 643.1 | 643.9 | 639.2 | 640.1 |
| G26.0 | 637.7 | 634.5 | 637.3 | 639.9 | 637.4 | 639.5 | 636.3 | 637.2 | 632.6 | 633.4 |
| G27.0 | 630.7 | 627.8 | 630.2 | 632.9 | 629.8 | 632.7 | 628.8 | 630.3 | 625.9 | 625.8 |
| G28.0 | 623.8 | 619.8 | 622.1 | 625.8 | 622.6 | 624.9 | 621.8 | 622.7 | 618.0 | 618.7 |
| G29.0 | 616.2 | 612.2 | 615.0 | 618.4 | 615.0 | 617.7 | 613.6 | 615.2 | 610.9 | 611.2 |
| G30.0 | 608.8 | 604.6 | 606.9 | 610.3 | 607.5 | 610.2 | 606.2 | 607.7 | 603.4 | 603.7 |
| G31.0 | 600.5 | 596.7 | 599.1 | 602.5 | 599.1 | 602.6 | 598.2 | 600.1 | 595.4 | 595.4 |
| G32.0 | 592.6 | 588.9 | 591.1 | 594.6 | 591.1 | 594.8 | 590.1 | 592.5 | 587.3 | 587.3 |
| G33.0 | 583.8 | 580.8 | 583.1 | 586.8 | 583.1 | 585.9 | 582.3 | 583.7 | 579.3 | 579.2 |
| G34.0 | 575.5 | 571.3 | 574.5 | 577.6 | 574.6 | 577.9 | 573.3 | 575.6 | 570.1 | 571.0 |
| G35.0 | 567.2 | 562.9 | 566.0 | 569.3 | 566.1 | 569.6 | 564.8 | 567.2 | 561.6 | 562.7 |
| G36.0 | 558.8 | 554.3 | 556.6 | 560.7 | 556.8 | 561.0 | 556.6 | 558.8 | 553.5 | 553.4 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

| G\C | C150.0 | C165.0 | C180.0 | C195.0 | C210.0 | C225.0 | C240.0 | C255.0 | C270.0 | C285.0 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G37.0 | 550.2 | 545.5 | 547.7 | 552.0 | 548.0 | 551.5 | 547.6 | 549.5 | 544.7 | 544.6 |
| G38.0 | 540.4 | 535.8 | 538.2 | 542.3 | 539.2 | 542.9 | 538.1 | 540.7 | 535.0 | 535.9 |
| G39.0 | 531.7 | 526.7 | 529.0 | 533.3 | 530.2 | 533.9 | 529.2 | 531.6 | 525.9 | 526.8 |
| G40.0 | 522.3 | 517.4 | 519.6 | 524.1 | 520.9 | 524.8 | 519.9 | 522.5 | 516.7 | 516.9 |
| G41.0 | 513.0 | 508.5 | 510.7 | 514.8 | 510.9 | 514.9 | 510.8 | 512.6 | 507.7 | 507.7 |
| G42.0 | 502.8 | 498.9 | 501.1 | 505.6 | 501.5 | 505.5 | 501.5 | 503.5 | 497.4 | 498.4 |
| G43.0 | 493.0 | 489.3 | 490.7 | 495.2 | 492.1 | 496.2 | 491.1 | 494.0 | 488.0 | 488.8 |
| G44.0 | 483.8 | 478.7 | 480.7 | 485.6 | 481.3 | 486.6 | 481.3 | 484.6 | 478.3 | 478.4 |
| G45.0 | 474.1 | 468.7 | 471.2 | 475.8 | 471.5 | 476.7 | 471.6 | 474.1 | 468.6 | 468.6 |
| G46.0 | 463.3 | 458.8 | 461.5 | 466.3 | 461.9 | 466.2 | 462.1 | 464.3 | 458.0 | 458.9 |
| G47.0 | 453.3 | 448.7 | 451.3 | 455.3 | 451.7 | 456.3 | 450.8 | 454.3 | 447.9 | 449.0 |
| G48.0 | 443.5 | 437.4 | 440.4 | 445.4 | 441.8 | 446.4 | 441.0 | 444.3 | 438.0 | 438.1 |
| G49.0 | 433.3 | 427.3 | 430.3 | 435.1 | 430.7 | 435.2 | 430.7 | 433.2 | 427.6 | 428.0 |
| G50.0 | 422.1 | 417.0 | 419.9 | 423.9 | 420.4 | 425.1 | 420.3 | 423.2 | 416.4 | 417.8 |
| G51.0 | 411.8 | 406.7 | 409.4 | 413.8 | 410.1 | 415.0 | 409.2 | 412.8 | 406.2 | 407.7 |
| G52.0 | 401.0 | 395.4 | 398.8 | 403.2 | 399.5 | 404.6 | 398.7 | 402.6 | 395.5 | 397.2 |
| G53.0 | 390.6 | 384.8 | 387.9 | 392.7 | 388.4 | 393.1 | 388.9 | 391.0 | 384.4 | 385.6 |
| G54.0 | 379.0 | 374.1 | 377.1 | 382.1 | 377.5 | 382.5 | 378.2 | 380.4 | 373.6 | 375.0 |
| G55.0 | 368.3 | 363.2 | 366.5 | 371.5 | 367.0 | 371.8 | 366.6 | 369.6 | 362.9 | 364.3 |
| G56.0 | 357.6 | 352.6 | 354.5 | 359.8 | 356.2 | 361.1 | 355.6 | 359.0 | 352.0 | 353.6 |
| G57.0 | 346.7 | 340.6 | 343.6 | 349.1 | 344.1 | 350.4 | 344.7 | 347.2 | 341.2 | 341.8 |
| G58.0 | 335.0 | 329.3 | 332.7 | 338.3 | 333.2 | 338.5 | 333.7 | 336.3 | 329.3 | 330.9 |
| G59.0 | 323.9 | 318.4 | 321.6 | 326.3 | 322.2 | 327.9 | 322.8 | 325.6 | 318.1 | 320.2 |
| G60.0 | 313.0 | 307.4 | 309.7 | 315.3 | 311.2 | 316.8 | 310.7 | 313.1 | 307.2 | 307.7 |
| G61.0 | 300.6 | 295.1 | 298.6 | 304.3 | 300.1 | 304.6 | 299.6 | 302.2 | 296.1 | 296.8 |
| G62.0 | 289.3 | 283.9 | 287.3 | 293.2 | 287.7 | 293.5 | 288.3 | 291.2 | 284.8 | 285.8 |
| G63.0 | 278.2 | 272.6 | 276.1 | 280.9 | 276.7 | 282.1 | 277.2 | 280.0 | 272.5 | 274.4 |
| G64.0 | 266.7 | 261.1 | 264.8 | 269.5 | 265.3 | 270.9 | 264.6 | 268.7 | 261.1 | 261.9 |
| G65.0 | 255.5 | 249.8 | 252.6 | 258.3 | 254.1 | 258.3 | 253.5 | 256.0 | 249.8 | 250.5 |
| G66.0 | 242.9 | 237.0 | 241.1 | 246.8 | 241.6 | 246.9 | 242.0 | 244.6 | 237.1 | 239.2 |
| G67.0 | 231.6 | 225.5 | 229.6 | 234.3 | 230.1 | 235.5 | 230.7 | 233.2 | 225.6 | 227.5 |
| G68.0 | 220.1 | 214.0 | 217.1 | 222.9 | 218.7 | 223.9 | 217.9 | 221.6 | 213.9 | 215.9 |
| G69.0 | 207.5 | 202.4 | 205.6 | 211.4 | 207.2 | 211.4 | 206.2 | 208.9 | 202.1 | 203.2 |
| G70.0 | 196.1 | 189.7 | 194.2 | 198.7 | 194.6 | 199.9 | 194.8 | 197.3 | 189.2 | 191.5 |
| G71.0 | 184.6 | 178.2 | 182.8 | 187.4 | 183.1 | 188.5 | 183.2 | 185.6 | 177.6 | 178.8 |
| G72.0 | 172.1 | 166.8 | 170.6 | 175.2 | 170.9 | 176.1 | 170.8 | 173.0 | 166.3 | 167.4 |
| G73.0 | 160.2 | 155.0 | 158.6 | 163.2 | 160.0 | 164.3 | 158.5 | 160.9 | 153.9 | 155.3 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

| G\C | C150.0 | C165.0 | C180.0 | C195.0 | C210.0 | C225.0 | C240.0 | C255.0 | C270.0 | C285.0 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G74.0 | 148.1 | 143.3 | 148.2 | 151.6 | 148.3 | 152.6 | 146.6 | 148.8 | 142.0 | 143.4 |
| G75.0 | 137.0 | 132.1 | 135.8 | 140.3 | 136.1 | 141.2 | 135.1 | 137.2 | 130.5 | 130.6 |
| G76.0 | 125.0 | 120.0 | 124.0 | 128.6 | 124.3 | 128.9 | 123.2 | 125.1 | 118.4 | 118.6 |
| G77.0 | 113.6 | 108.9 | 113.1 | 117.3 | 113.1 | 117.5 | 111.9 | 112.6 | 106.2 | 107.1 |
| G78.0 | 102.0 | 97.2 | 101.5 | 105.6 | 102.3 | 105.6 | 100.0 | 101.6 | 95.4 | 96.2 |
| G79.0 | 90.2 | 86.1 | 90.6 | 94.5 | 90.6 | 93.6 | 88.8 | 89.5 | 84.2 | 84.3 |
| G80.0 | 79.1 | 75.2 | 79.7 | 83.4 | 80.3 | 82.4 | 77.4 | 78.3 | 73.0 | 73.3 |
| G81.0 | 68.9 | 65.1 | 69.4 | 72.4 | 69.1 | 72.0 | 67.0 | 68.0 | 62.0 | 63.2 |
| G82.0 | 58.1 | 55.0 | 58.8 | 61.7 | 59.2 | 61.0 | 56.2 | 57.0 | 52.1 | 52.6 |
| G83.0 | 48.5 | 45.5 | 49.3 | 52.1 | 49.4 | 50.7 | 46.3 | 46.8 | 42.2 | 42.5 |
| G84.0 | 39.1 | 36.6 | 40.3 | 42.5 | 40.5 | 41.6 | 37.3 | 37.7 | 33.5 | 33.6 |
| G85.0 | 30.7 | 28.4 | 31.6 | 33.4 | 31.6 | 32.3 | 28.4 | 28.7 | 24.9 | 25.0 |
| G86.0 | 22.3 | 20.8 | 24.2 | 25.2 | 23.7 | 24.3 | 20.6 | 20.7 | 17.3 | 17.2 |
| G87.0 | 15.3 | 14.1 | 17.3 | 17.9 | 16.7 | 17.0 | 14.2 | 13.6 | 10.9 | 11.1 |
| G88.0 | 9.4 | 8.5 | 11.1 | 11.8 | 10.6 | 10.8 | 8.6 | 7.7 | 5.9 | 5.6 |
| G89.0 | 4.4 | 3.8 | 6.0 | 6.3 | 5.7 | 5.5 | 4.2 | 3.3 | 2.1 | 1.9 |
| G90.0 | 8.9 | 6.7 | 7.6 | 8.6 | 12.0 | 15.9 | 11.0 | 3.5 | 0.7 | 1.8 |
| G91.0 | 13.7 | 10.5 | 11.1 | 12.4 | 17.6 | 23.1 | 18.1 | 7.2 | 1.3 | 5.6 |
| G92.0 | 18.6 | 14.4 | 15.1 | 16.4 | 23.7 | 30.9 | 25.3 | 9.6 | 1.9 | 9.5 |
| G93.0 | 24.3 | 18.7 | 19.4 | 21.1 | 30.4 | 38.7 | 31.6 | 10.9 | 2.7 | 11.6 |
| G94.0 | 30.6 | 23.7 | 24.2 | 26.1 | 37.3 | 46.6 | 36.6 | 12.2 | 3.5 | 12.9 |
| G95.0 | 37.0 | 29.6 | 29.7 | 32.1 | 45.3 | 54.6 | 40.5 | 13.6 | 4.5 | 14.3 |
| G96.0 | 44.5 | 35.8 | 36.1 | 38.8 | 53.6 | 62.2 | 44.2 | 15.0 | 5.6 | 15.7 |
| G97.0 | 50.0 | 42.9 | 42.7 | 45.9 | 62.4 | 68.3 | 48.1 | 16.3 | 6.7 | 17.2 |
| G98.0 | 56.0 | 50.4 | 50.5 | 53.8 | 71.3 | 73.8 | 52.1 | 17.8 | 7.8 | 18.7 |
| G99.0 | 64.7 | 59.0 | 58.8 | 62.5 | 78.6 | 79.4 | 55.9 | 19.3 | 9.1 | 20.2 |
| G100.0 | 70.6 | 66.7 | 66.1 | 69.9 | 86.6 | 85.3 | 60.0 | 20.7 | 10.4 | 21.6 |
| G101.0 | 78.9 | 74.9 | 73.6 | 77.7 | 94.7 | 90.8 | 63.8 | 22.2 | 11.7 | 23.2 |
| G102.0 | 88.9 | 81.7 | 81.7 | 86.0 | 102.8 | 97.1 | 67.6 | 23.7 | 13.0 | 24.6 |
| G103.0 | 95.9 | 88.2 | 90.9 | 95.2 | 111.2 | 102.8 | 71.3 | 25.3 | 14.5 | 26.1 |
| G104.0 | 106.2 | 95.9 | 100.3 | 104.3 | 119.1 | 108.9 | 74.8 | 26.7 | 15.8 | 27.6 |
| G105.0 | 112.4 | 105.0 | 110.4 | 114.1 | 127.1 | 115.4 | 78.2 | 28.3 | 17.3 | 29.1 |
| G106.0 | 120.3 | 116.3 | 121.1 | 123.4 | 135.1 | 122.4 | 81.4 | 29.7 | 18.7 | 30.6 |
| G107.0 | 131.6 | 126.0 | 131.0 | 132.8 | 142.6 | 129.1 | 84.2 | 31.2 | 20.1 | 31.9 |
| G108.0 | 139.1 | 135.6 | 141.1 | 142.2 | 150.1 | 135.4 | 86.7 | 32.6 | 21.7 | 33.4 |
| G109.0 | 147.8 | 145.4 | 150.1 | 150.7 | 157.2 | 142.4 | 88.9 | 34.0 | 23.3 | 34.8 |
| G110.0 | 155.3 | 151.8 | 160.1 | 160.0 | 165.2 | 148.7 | 90.9 | 35.5 | 24.7 | 36.2 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

| G\C | C150.0 | C165.0 | C180.0 | C195.0 | C210.0 | C225.0 | C240.0 | C255.0 | C270.0 | C285.0 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G111.0 | 162.1 | 158.2 | 168.9 | 168.2 | 172.6 | 155.2 | 92.4 | 36.8 | 26.4 | 37.6 |
| G112.0 | 169.8 | 167.5 | 177.6 | 176.6 | 180.0 | 160.7 | 93.6 | 38.2 | 28.0 | 39.1 |
| G113.0 | 179.8 | 175.0 | 187.1 | 184.9 | 187.9 | 165.6 | 94.6 | 39.5 | 29.6 | 40.5 |
| G114.0 | 187.7 | 183.6 | 195.7 | 193.8 | 194.9 | 169.7 | 95.2 | 40.9 | 31.2 | 41.9 |
| G115.0 | 192.8 | 196.7 | 204.1 | 201.9 | 201.4 | 173.4 | 95.7 | 42.2 | 33.0 | 43.3 |
| G116.0 | 199.0 | 202.4 | 212.3 | 209.5 | 207.4 | 175.9 | 95.9 | 43.5 | 34.6 | 44.8 |
| G117.0 | 207.8 | 209.9 | 220.9 | 216.8 | 212.5 | 177.6 | 95.9 | 44.8 | 36.3 | 46.2 |
| G118.0 | 214.2 | 221.2 | 228.0 | 224.2 | 217.2 | 178.5 | 95.8 | 46.3 | 38.0 | 47.6 |
| G119.0 | 218.0 | 228.6 | 234.3 | 230.1 | 220.5 | 178.6 | 95.7 | 47.7 | 39.8 | 49.1 |
| G120.0 | 221.1 | 233.6 | 239.9 | 235.1 | 222.8 | 178.0 | 95.6 | 49.1 | 41.5 | 50.6 |
| G121.0 | 225.7 | 238.2 | 244.9 | 239.3 | 224.2 | 177.0 | 95.4 | 50.5 | 43.2 | 52.2 |
| G122.0 | 228.6 | 241.8 | 248.4 | 242.7 | 224.8 | 175.4 | 95.3 | 52.1 | 45.1 | 53.8 |
| G123.0 | 229.4 | 244.1 | 251.0 | 244.7 | 224.6 | 173.5 | 95.2 | 53.6 | 46.8 | 55.3 |
| G124.0 | 229.4 | 245.7 | 252.6 | 245.9 | 223.6 | 171.1 | 95.2 | 55.1 | 48.5 | 56.9 |
| G125.0 | 228.6 | 247.4 | 253.3 | 246.2 | 221.9 | 168.8 | 95.3 | 56.6 | 50.3 | 58.6 |
| G126.0 | 227.4 | 248.0 | 253.2 | 245.8 | 219.9 | 166.5 | 95.4 | 58.2 | 52.0 | 60.2 |
| G127.0 | 225.4 | 246.1 | 252.4 | 244.5 | 217.5 | 164.0 | 95.7 | 59.9 | 53.9 | 61.8 |
| G128.0 | 223.1 | 243.0 | 251.0 | 242.9 | 214.9 | 161.5 | 95.9 | 61.4 | 55.7 | 63.5 |
| G129.0 | 220.6 | 240.5 | 248.9 | 240.9 | 211.8 | 159.3 | 96.3 | 63.0 | 57.4 | 65.1 |
| G130.0 | 217.7 | 238.7 | 246.7 | 238.5 | 208.9 | 157.0 | 96.6 | 64.8 | 59.1 | 66.7 |
| G131.0 | 214.9 | 237.7 | 244.2 | 235.6 | 205.9 | 154.7 | 97.1 | 66.3 | 61.0 | 68.3 |
| G132.0 | 211.9 | 236.4 | 241.4 | 232.7 | 202.9 | 152.7 | 97.5 | 67.9 | 62.6 | 69.9 |
| G133.0 | 208.7 | 233.5 | 238.4 | 229.7 | 199.7 | 150.8 | 98.0 | 69.5 | 64.3 | 71.6 |
| G134.0 | 205.4 | 230.5 | 235.1 | 226.1 | 196.2 | 149.1 | 98.5 | 71.2 | 66.0 | 73.2 |
| G135.0 | 202.4 | 227.1 | 231.8 | 222.7 | 193.0 | 147.4 | 98.9 | 72.8 | 67.8 | 74.7 |
| G136.0 | 198.9 | 223.2 | 228.2 | 219.3 | 189.9 | 145.8 | 99.4 | 74.3 | 69.5 | 76.3 |
| G137.0 | 195.6 | 219.7 | 224.2 | 215.8 | 186.4 | 144.1 | 100.0 | 75.9 | 71.1 | 78.0 |
| G138.0 | 192.3 | 216.0 | 220.5 | 212.1 | 183.4 | 142.6 | 100.5 | 77.5 | 73.0 | 79.5 |
| G139.0 | 189.2 | 212.2 | 216.7 | 208.1 | 180.5 | 141.3 | 101.0 | 79.1 | 74.6 | 81.0 |
| G140.0 | 185.6 | 208.1 | 212.7 | 204.5 | 177.5 | 139.9 | 101.5 | 80.6 | 76.2 | 82.4 |
| G141.0 | 182.5 | 204.2 | 208.4 | 200.7 | 174.3 | 138.7 | 102.2 | 82.1 | 77.8 | 84.1 |
| G142.0 | 179.5 | 200.4 | 204.4 | 197.0 | 171.4 | 137.5 | 102.7 | 83.7 | 79.4 | 85.6 |
| G143.0 | 176.5 | 196.6 | 200.5 | 193.0 | 168.7 | 136.4 | 103.3 | 85.1 | 81.2 | 86.9 |
| G144.0 | 173.2 | 192.4 | 196.5 | 189.3 | 166.1 | 135.1 | 103.9 | 86.6 | 82.8 | 88.4 |
| G145.0 | 170.4 | 188.7 | 192.2 | 185.7 | 163.4 | 134.0 | 104.5 | 87.9 | 84.4 | 89.8 |
| G146.0 | 167.6 | 185.0 | 188.4 | 182.1 | 160.6 | 133.0 | 105.1 | 89.3 | 86.0 | 91.2 |
| G147.0 | 164.8 | 181.4 | 184.6 | 178.3 | 158.2 | 131.9 | 105.6 | 90.8 | 87.7 | 92.5 |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

| G\C | C150.0 | C165.0 | C180.0 | C195.0 | C210.0 | C225.0 | C240.0 | C255.0 | C270.0 | C285.0 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G148.0 | 162.1 | 177.5 | 180.9 | 175.0 | 155.8 | 130.9 | 106.2 | 92.2 | 89.3 | 93.9 |
| G149.0 | 159.2 | 174.1 | 177.0 | 171.7 | 153.4 | 129.9 | 106.7 | 93.5 | 90.8 | 95.2 |
| G150.0 | 156.6 | 170.8 | 173.4 | 168.4 | 150.9 | 128.8 | 107.2 | 94.8 | 92.3 | 96.6 |
| G151.0 | 154.1 | 167.4 | 169.9 | 165.2 | 148.6 | 127.8 | 107.7 | 96.1 | 94.0 | 97.9 |
| G152.0 | 151.6 | 163.9 | 166.6 | 161.9 | 146.4 | 127.0 | 108.2 | 97.5 | 95.5 | 99.1 |
| G153.0 | 149.2 | 160.7 | 163.2 | 158.9 | 144.3 | 126.0 | 108.7 | 98.7 | 96.9 | 100.3 |
| G154.0 | 146.6 | 157.7 | 159.6 | 156.1 | 142.2 | 125.2 | 109.2 | 99.9 | 98.3 | 101.6 |
| G155.0 | 144.4 | 154.7 | 156.6 | 153.2 | 140.0 | 124.4 | 109.8 | 101.2 | 99.5 | 102.7 |
| G156.0 | 142.2 | 151.5 | 153.5 | 150.2 | 138.0 | 123.6 | 110.2 | 102.3 | 100.9 | 103.8 |
| G157.0 | 140.1 | 148.7 | 150.6 | 147.5 | 136.1 | 122.8 | 110.7 | 103.4 | 102.1 | 104.9 |
| G158.0 | 138.1 | 146.0 | 147.7 | 144.9 | 134.4 | 122.1 | 111.1 | 104.5 | 103.3 | 105.8 |
| G159.0 | 135.9 | 143.3 | 144.6 | 142.4 | 132.5 | 121.5 | 111.5 | 105.5 | 104.3 | 106.8 |
| G160.0 | 134.1 | 140.6 | 142.0 | 139.9 | 130.9 | 120.9 | 111.9 | 106.5 | 105.5 | 107.7 |
| G161.0 | 132.3 | 138.2 | 139.4 | 137.5 | 129.3 | 120.4 | 112.3 | 107.5 | 106.6 | 108.5 |
| G162.0 | 130.6 | 135.9 | 136.9 | 135.1 | 127.8 | 119.8 | 112.7 | 108.3 | 107.5 | 109.3 |
| G163.0 | 129.1 | 133.5 | 134.3 | 133.0 | 126.3 | 119.4 | 113.2 | 109.1 | 108.5 | 110.1 |
| G164.0 | 127.4 | 131.4 | 132.1 | 130.9 | 125.0 | 118.9 | 113.5 | 110.0 | 109.4 | 110.9 |
| G165.0 | 126.0 | 129.5 | 130.0 | 128.8 | 123.8 | 118.5 | 113.9 | 110.7 | 110.3 | 111.6 |
| G166.0 | 124.6 | 127.6 | 128.0 | 127.0 | 122.7 | 118.2 | 114.2 | 111.4 | 111.1 | 112.2 |
| G167.0 | 123.4 | 125.9 | 126.2 | 125.4 | 121.7 | 117.9 | 114.4 | 112.0 | 111.8 | 112.9 |
| G168.0 | 122.2 | 124.4 | 124.4 | 123.9 | 120.7 | 117.6 | 114.7 | 112.6 | 112.4 | 113.4 |
| G169.0 | 121.3 | 122.8 | 123.0 | 122.4 | 119.8 | 117.3 | 114.9 | 113.2 | 113.1 | 114.1 |
| G170.0 | 120.4 | 121.6 | 121.7 | 121.1 | 119.1 | 117.1 | 115.2 | 113.8 | 113.7 | 114.5 |
| G171.0 | 119.6 | 120.5 | 120.6 | 120.2 | 118.5 | 117.0 | 115.4 | 114.2 | 114.2 | 114.9 |
| G172.0 | 118.9 | 119.6 | 119.5 | 119.4 | 118.0 | 116.8 | 115.6 | 114.7 | 114.7 | 115.3 |
| G173.0 | 118.3 | 118.8 | 118.8 | 118.7 | 117.6 | 116.7 | 115.7 | 115.0 | 115.1 | 115.6 |
| G174.0 | 117.8 | 118.1 | 118.2 | 118.0 | 117.2 | 116.6 | 115.9 | 115.4 | 115.5 | 115.9 |
| G175.0 | 117.4 | 117.6 | 117.7 | 117.5 | 117.0 | 116.5 | 116.1 | 115.7 | 115.8 | 116.1 |
| G176.0 | 117.1 | 117.2 | 117.2 | 117.2 | 116.8 | 116.5 | 116.2 | 116.0 | 116.1 | 116.3 |
| G177.0 | 116.8 | 116.9 | 117.0 | 116.9 | 116.7 | 116.5 | 116.4 | 116.3 | 116.4 | 116.4 |
| G178.0 | 116.6 | 116.6 | 116.8 | 116.8 | 116.7 | 116.6 | 116.6 | 116.5 | 116.5 | 116.6 |
| G179.0 | 116.6 | 116.7 | 116.9 | 116.8 | 116.8 | 116.7 | 116.7 | 116.6 | 116.6 | 116.6 |
| G180.0 | 116.7 | 116.7 | 116.9 | 116.8 | 116.9 | 116.7 | 116.8 | 116.7 | 116.7 | 116.7 |
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C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 10)

Unit: cd

| G\C | C300.0 | C315.0 | C330.0 | C345.0 | C360.0 | | | | | |
|-------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G0.0 | 730.8 | 730.4 | 730.2 | 730.3 | 732.2 | | | | | |
| G1.0 | 730.5 | 729.9 | 729.7 | 729.9 | 731.9 | | | | | |
| G2.0 | 729.6 | 729.4 | 728.6 | 729.1 | 731.1 | | | | | |
| G3.0 | 728.7 | 728.3 | 727.6 | 728.2 | 730.1 | | | | | |
| G4.0 | 727.2 | 727.1 | 726.3 | 726.6 | 728.7 | | | | | |
| G5.0 | 725.5 | 725.5 | 724.5 | 724.8 | 727.0 | | | | | |
| G6.0 | 723.7 | 723.4 | 722.4 | 723.0 | 725.0 | | | | | |
| G7.0 | 721.4 | 721.3 | 719.8 | 720.6 | 722.4 | | | | | |
| G8.0 | 719.0 | 718.9 | 717.1 | 718.1 | 719.9 | | | | | |
| G9.0 | 716.3 | 716.2 | 714.3 | 715.0 | 717.0 | | | | | |
| G10.0 | 713.2 | 713.4 | 711.0 | 711.9 | 713.9 | | | | | |
| G11.0 | 709.5 | 709.7 | 707.4 | 708.6 | 710.4 | | | | | |
| G12.0 | 705.6 | 706.1 | 703.5 | 704.8 | 706.3 | | | | | |
| G13.0 | 701.7 | 702.2 | 699.2 | 700.6 | 702.4 | | | | | |
| G14.0 | 697.8 | 698.1 | 695.1 | 696.4 | 698.0 | | | | | |
| G15.0 | 693.0 | 693.2 | 690.5 | 692.0 | 693.7 | | | | | |
| G16.0 | 688.4 | 688.6 | 685.3 | 687.1 | 689.0 | | | | | |
| G17.0 | 683.5 | 683.8 | 680.5 | 682.1 | 683.5 | | | | | |
| G18.0 | 678.4 | 678.5 | 674.9 | 676.2 | 678.1 | | | | | |
| G19.0 | 672.6 | 673.0 | 669.6 | 670.9 | 672.3 | | | | | |
| G20.0 | 667.0 | 667.0 | 663.5 | 665.3 | 666.8 | | | | | |
| G21.0 | 660.9 | 661.2 | 657.1 | 659.4 | 660.1 | | | | | |
| G22.0 | 654.9 | 655.1 | 651.2 | 652.7 | 653.9 | | | | | |
| G23.0 | 648.5 | 648.8 | 644.7 | 646.3 | 647.0 | | | | | |
| G24.0 | 642.0 | 641.7 | 638.0 | 639.5 | 640.8 | | | | | |
| G25.0 | 634.4 | 635.0 | 631.1 | 632.7 | 633.0 | | | | | |
| G26.0 | 627.6 | 628.0 | 623.8 | 625.8 | 626.4 | | | | | |
| G27.0 | 620.5 | 620.9 | 616.1 | 617.9 | 618.8 | | | | | |
| G28.0 | 612.6 | 613.6 | 608.7 | 610.5 | 611.1 | | | | | |
| G29.0 | 605.2 | 606.1 | 601.1 | 602.9 | 603.6 | | | | | |
| G30.0 | 597.1 | 597.6 | 593.0 | 595.2 | 595.8 | | | | | |
| G31.0 | 589.6 | 590.0 | 584.5 | 586.2 | 587.0 | | | | | |
| G32.0 | 581.3 | 581.9 | 576.5 | 578.1 | 579.3 | | | | | |
| G33.0 | 573.3 | 573.7 | 568.0 | 569.9 | 570.3 | | | | | |
| G34.0 | 564.2 | 564.7 | 558.8 | 561.7 | 561.8 | | | | | |
| G35.0 | 555.4 | 556.4 | 550.1 | 553.2 | 553.1 | | | | | |
| G36.0 | 547.0 | 547.6 | 541.5 | 543.7 | 544.6 | | | | | |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 11)

Unit: cd

| G\C | C300.0 | C315.0 | C330.0 | C345.0 | C360.0 | | | | | |
|-------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G37.0 | 538.1 | 538.1 | 532.6 | 534.9 | 534.8 | | | | | |
| G38.0 | 528.4 | 529.3 | 523.4 | 526.1 | 525.9 | | | | | |
| G39.0 | 519.2 | 520.1 | 513.7 | 516.9 | 516.7 | | | | | |
| G40.0 | 509.9 | 510.9 | 504.1 | 506.7 | 507.3 | | | | | |
| G41.0 | 500.9 | 501.8 | 495.1 | 497.6 | 497.6 | | | | | |
| G42.0 | 490.5 | 491.5 | 485.8 | 488.0 | 487.4 | | | | | |
| G43.0 | 481.1 | 482.0 | 475.2 | 478.5 | 477.8 | | | | | |
| G44.0 | 471.3 | 472.5 | 465.4 | 467.8 | 468.1 | | | | | |
| G45.0 | 461.5 | 462.7 | 455.7 | 458.3 | 457.5 | | | | | |
| G46.0 | 450.6 | 451.9 | 445.8 | 448.4 | 447.5 | | | | | |
| G47.0 | 440.6 | 442.1 | 434.7 | 437.4 | 437.7 | | | | | |
| G48.0 | 430.6 | 432.1 | 424.8 | 427.3 | 427.6 | | | | | |
| G49.0 | 420.6 | 421.8 | 414.6 | 417.3 | 416.4 | | | | | |
| G50.0 | 410.3 | 410.7 | 404.2 | 407.1 | 405.8 | | | | | |
| G51.0 | 399.1 | 400.6 | 393.0 | 397.1 | 395.4 | | | | | |
| G52.0 | 388.4 | 390.1 | 382.3 | 386.6 | 385.0 | | | | | |
| G53.0 | 377.2 | 379.5 | 372.3 | 374.9 | 374.2 | | | | | |
| G54.0 | 367.4 | 368.0 | 361.5 | 364.3 | 362.7 | | | | | |
| G55.0 | 356.1 | 357.2 | 349.9 | 353.5 | 352.1 | | | | | |
| G56.0 | 345.2 | 346.5 | 339.0 | 342.9 | 341.3 | | | | | |
| G57.0 | 334.3 | 335.8 | 328.1 | 331.3 | 329.4 | | | | | |
| G58.0 | 323.6 | 324.0 | 317.2 | 320.5 | 318.6 | | | | | |
| G59.0 | 311.3 | 313.0 | 306.4 | 309.7 | 307.3 | | | | | |
| G60.0 | 300.5 | 302.0 | 294.3 | 297.5 | 296.2 | | | | | |
| G61.0 | 289.4 | 291.0 | 283.2 | 286.5 | 283.8 | | | | | |
| G62.0 | 278.1 | 278.6 | 272.1 | 275.6 | 272.5 | | | | | |
| G63.0 | 265.7 | 267.4 | 260.8 | 264.4 | 261.3 | | | | | |
| G64.0 | 254.4 | 256.1 | 248.4 | 252.1 | 249.7 | | | | | |
| G65.0 | 243.3 | 244.7 | 237.3 | 240.7 | 238.4 | | | | | |
| G66.0 | 231.8 | 232.3 | 226.1 | 229.4 | 225.8 | | | | | |
| G67.0 | 219.3 | 220.8 | 214.5 | 218.0 | 214.7 | | | | | |
| G68.0 | 207.8 | 209.5 | 202.1 | 205.4 | 203.1 | | | | | |
| G69.0 | 196.0 | 198.1 | 190.6 | 194.1 | 190.5 | | | | | |
| G70.0 | 184.7 | 185.8 | 179.4 | 182.9 | 179.1 | | | | | |
| G71.0 | 171.8 | 174.4 | 167.8 | 170.5 | 167.5 | | | | | |
| G72.0 | 160.6 | 162.1 | 155.7 | 159.5 | 155.4 | | | | | |
| G73.0 | 148.4 | 150.2 | 143.8 | 147.8 | 143.2 | | | | | |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 12)

Unit: cd

| G\C | C300.0 | C315.0 | C330.0 | C345.0 | C360.0 | | | | | |
|--------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G74.0 | 136.6 | 138.7 | 132.1 | 136.1 | 131.4 | | | | | |
| G75.0 | 125.1 | 127.2 | 121.2 | 124.1 | 120.4 | | | | | |
| G76.0 | 113.4 | 115.2 | 109.7 | 112.4 | 108.6 | | | | | |
| G77.0 | 102.1 | 103.7 | 98.8 | 101.5 | 97.6 | | | | | |
| G78.0 | 90.5 | 91.9 | 87.5 | 90.1 | 86.1 | | | | | |
| G79.0 | 79.6 | 80.2 | 76.8 | 79.5 | 75.1 | | | | | |
| G80.0 | 68.6 | 70.1 | 66.2 | 68.9 | 65.1 | | | | | |
| G81.0 | 58.4 | 59.4 | 56.3 | 58.5 | 54.9 | | | | | |
| G82.0 | 48.2 | 49.1 | 46.2 | 49.1 | 45.4 | | | | | |
| G83.0 | 38.8 | 40.0 | 37.4 | 39.6 | 36.0 | | | | | |
| G84.0 | 30.5 | 31.1 | 29.2 | 31.4 | 27.5 | | | | | |
| G85.0 | 22.5 | 23.0 | 21.4 | 23.2 | 20.0 | | | | | |
| G86.0 | 15.4 | 16.0 | 14.5 | 15.8 | 13.0 | | | | | |
| G87.0 | 9.8 | 10.0 | 9.1 | 9.9 | 7.3 | | | | | |
| G88.0 | 5.1 | 4.8 | 4.3 | 4.7 | 2.8 | | | | | |
| G89.0 | 1.7 | 1.1 | 0.0 | 0.0 | 0.0 | | | | | |
| G90.0 | 4.1 | 4.9 | 3.7 | 2.8 | 1.1 | | | | | |
| G91.0 | 11.4 | 12.0 | 9.1 | 6.1 | 4.0 | | | | | |
| G92.0 | 19.1 | 19.5 | 14.6 | 10.1 | 7.4 | | | | | |
| G93.0 | 26.3 | 26.8 | 20.4 | 14.3 | 10.9 | | | | | |
| G94.0 | 33.0 | 34.3 | 26.4 | 18.6 | 14.9 | | | | | |
| G95.0 | 38.5 | 42.3 | 33.0 | 23.3 | 19.3 | | | | | |
| G96.0 | 43.1 | 50.4 | 40.5 | 28.8 | 23.9 | | | | | |
| G97.0 | 46.9 | 57.7 | 48.6 | 34.9 | 29.3 | | | | | |
| G98.0 | 51.1 | 64.8 | 56.6 | 41.7 | 35.4 | | | | | |
| G99.0 | 55.4 | 71.2 | 65.3 | 49.5 | 42.3 | | | | | |
| G100.0 | 59.5 | 76.8 | 73.8 | 57.2 | 49.7 | | | | | |
| G101.0 | 63.7 | 82.9 | 80.8 | 65.6 | 57.7 | | | | | |
| G102.0 | 67.8 | 88.8 | 89.1 | 73.3 | 65.9 | | | | | |
| G103.0 | 72.0 | 94.6 | 97.4 | 81.5 | 74.0 | | | | | |
| G104.0 | 75.8 | 101.1 | 105.5 | 89.9 | 82.0 | | | | | |
| G105.0 | 79.5 | 107.6 | 113.9 | 99.2 | 91.2 | | | | | |
| G106.0 | 83.1 | 113.9 | 121.5 | 108.3 | 100.5 | | | | | |
| G107.0 | 86.2 | 120.5 | 129.3 | 117.8 | 110.3 | | | | | |
| G108.0 | 88.9 | 127.4 | 136.9 | 127.6 | 120.8 | | | | | |
| G109.0 | 91.2 | 133.8 | 144.7 | 137.4 | 130.4 | | | | | |
| G110.0 | 93.3 | 140.1 | 151.8 | 146.2 | 140.0 | | | | | |

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 13)

Unit: cd

| G\C | C300.0 | C315.0 | C330.0 | C345.0 | C360.0 | | | | | |
|--------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G111.0 | 94.9 | 146.9 | 159.6 | 154.6 | 150.4 | | | | | |
| G112.0 | 96.3 | 152.7 | 166.7 | 162.9 | 159.5 | | | | | |
| G113.0 | 97.2 | 157.9 | 173.7 | 171.7 | 168.2 | | | | | |
| G114.0 | 97.8 | 162.4 | 180.6 | 179.5 | 176.8 | | | | | |
| G115.0 | 98.2 | 166.7 | 187.7 | 187.2 | 185.9 | | | | | |
| G116.0 | 98.5 | 169.4 | 193.7 | 195.2 | 193.9 | | | | | |
| G117.0 | 98.6 | 171.5 | 199.0 | 202.2 | 201.7 | | | | | |
| G118.0 | 98.6 | 172.9 | 203.5 | 208.7 | 208.9 | | | | | |
| G119.0 | 98.5 | 173.3 | 207.4 | 214.5 | 215.6 | | | | | |
| G120.0 | 98.4 | 173.0 | 210.1 | 219.5 | 222.1 | | | | | |
| G121.0 | 98.3 | 172.2 | 211.8 | 224.1 | 227.2 | | | | | |
| G122.0 | 98.2 | 170.9 | 212.6 | 227.1 | 231.4 | | | | | |
| G123.0 | 98.2 | 169.1 | 212.5 | 229.3 | 234.5 | | | | | |
| G124.0 | 98.2 | 167.2 | 211.7 | 230.5 | 236.6 | | | | | |
| G125.0 | 98.2 | 165.2 | 210.4 | 230.8 | 237.7 | | | | | |
| G126.0 | 98.4 | 163.2 | 208.6 | 230.3 | 237.9 | | | | | |
| G127.0 | 98.6 | 160.8 | 206.2 | 229.0 | 237.3 | | | | | |
| G128.0 | 98.8 | 158.8 | 203.8 | 227.4 | 236.1 | | | | | |
| G129.0 | 99.1 | 156.9 | 201.3 | 225.2 | 234.3 | | | | | |
| G130.0 | 99.5 | 155.0 | 198.6 | 223.0 | 232.2 | | | | | |
| G131.0 | 99.9 | 153.0 | 195.6 | 220.5 | 229.9 | | | | | |
| G132.0 | 100.3 | 151.3 | 192.9 | 217.8 | 227.4 | | | | | |
| G133.0 | 100.8 | 149.7 | 190.2 | 215.0 | 224.5 | | | | | |
| G134.0 | 101.2 | 148.2 | 187.5 | 211.8 | 221.6 | | | | | |
| G135.0 | 101.7 | 146.5 | 184.6 | 208.8 | 218.8 | | | | | |
| G136.0 | 102.2 | 145.1 | 182.0 | 205.8 | 215.8 | | | | | |
| G137.0 | 102.8 | 143.7 | 179.4 | 202.8 | 212.4 | | | | | |
| G138.0 | 103.3 | 142.4 | 176.8 | 199.5 | 209.2 | | | | | |
| G139.0 | 103.8 | 141.1 | 174.1 | 196.5 | 206.1 | | | | | |
| G140.0 | 104.3 | 139.9 | 171.7 | 193.6 | 202.9 | | | | | |
| G141.0 | 104.9 | 138.8 | 169.3 | 190.3 | 199.7 | | | | | |
| G142.0 | 105.4 | 137.7 | 166.9 | 187.2 | 196.5 | | | | | |
| G143.0 | 105.9 | 136.5 | 164.6 | 184.3 | 193.1 | | | | | |
| G144.0 | 106.4 | 135.5 | 162.2 | 181.3 | 189.8 | | | | | |
| G145.0 | 107.0 | 134.4 | 160.0 | 178.1 | 186.7 | | | | | |
| G146.0 | 107.5 | 133.4 | 157.8 | 175.2 | 183.4 | | | | | |
| G147.0 | 108.0 | 132.3 | 155.3 | 172.4 | 180.0 | | | | | |

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 14)

Unit: cd

| G\C | C300.0 | C315.0 | C330.0 | C345.0 | C360.0 | | | | | |
|--------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G148.0 | 108.5 | 131.4 | 153.2 | 169.4 | 176.8 | | | | | |
| G149.0 | 109.0 | 130.5 | 151.0 | 166.6 | 173.8 | | | | | |
| G150.0 | 109.5 | 129.6 | 149.0 | 163.5 | 170.8 | | | | | |
| G151.0 | 110.0 | 128.7 | 146.7 | 160.7 | 167.7 | | | | | |
| G152.0 | 110.5 | 127.9 | 144.8 | 158.1 | 164.7 | | | | | |
| G153.0 | 111.0 | 127.1 | 142.8 | 155.4 | 161.4 | | | | | |
| G154.0 | 111.5 | 126.4 | 140.9 | 152.6 | 158.5 | | | | | |
| G155.0 | 112.0 | 125.6 | 139.2 | 150.0 | 155.6 | | | | | |
| G156.0 | 112.4 | 124.9 | 137.4 | 147.4 | 152.6 | | | | | |
| G157.0 | 112.9 | 124.3 | 135.6 | 145.0 | 149.8 | | | | | |
| G158.0 | 113.3 | 123.7 | 133.9 | 142.6 | 147.1 | | | | | |
| G159.0 | 113.6 | 123.1 | 132.4 | 140.1 | 144.5 | | | | | |
| G160.0 | 114.0 | 122.6 | 131.0 | 138.0 | 142.0 | | | | | |
| G161.0 | 114.3 | 122.1 | 129.5 | 135.9 | 139.6 | | | | | |
| G162.0 | 114.6 | 121.6 | 128.3 | 134.0 | 137.1 | | | | | |
| G163.0 | 115.0 | 121.2 | 127.0 | 132.1 | 135.0 | | | | | |
| G164.0 | 115.2 | 120.7 | 125.9 | 130.3 | 133.1 | | | | | |
| G165.0 | 115.5 | 120.4 | 124.8 | 128.7 | 131.2 | | | | | |
| G166.0 | 115.7 | 120.0 | 123.7 | 127.2 | 129.3 | | | | | |
| G167.0 | 115.9 | 119.7 | 122.8 | 125.8 | 127.8 | | | | | |
| G168.0 | 116.1 | 119.3 | 122.1 | 124.7 | 126.3 | | | | | |
| G169.0 | 116.3 | 119.0 | 121.3 | 123.4 | 125.1 | | | | | |
| G170.0 | 116.4 | 118.8 | 120.5 | 122.4 | 123.8 | | | | | |
| G171.0 | 116.5 | 118.5 | 119.9 | 121.5 | 122.7 | | | | | |
| G172.0 | 116.6 | 118.2 | 119.4 | 120.7 | 121.7 | | | | | |
| G173.0 | 116.6 | 117.9 | 118.8 | 119.9 | 120.8 | | | | | |
| G174.0 | 116.7 | 117.6 | 118.4 | 119.2 | 120.1 | | | | | |
| G175.0 | 116.8 | 117.4 | 117.9 | 118.6 | 119.3 | | | | | |
| G176.0 | 116.7 | 117.2 | 117.5 | 118.0 | 118.6 | | | | | |
| G177.0 | 116.7 | 117.0 | 117.2 | 117.5 | 118.1 | | | | | |
| G178.0 | 116.7 | 116.9 | 117.0 | 117.2 | 117.6 | | | | | |
| G179.0 | 116.7 | 116.7 | 116.7 | 116.9 | 117.2 | | | | | |
| G180.0 | 116.7 | 116.7 | 116.7 | 116.7 | 116.9 | | | | | |
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C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

LED Average Luminance Report

| Avg.L | cd/m ² |
|-----------------|-------------------|
| L 0-180(65) av | 15366.38 |
| L 0-180(75) av | 13094.84 |
| L 0-180(85) av | 7823.38 |
| L 90-270(65) av | 15704.44 |
| L 90-270(75) av | 13464.14 |
| L 90-270(85) av | 7732.62 |
| L 45(65) av | 15509.25 |
| L 45(75) av | 13306.65 |
| L 45(85) av | 7843.41 |

Standard: GB/T 29293-2012