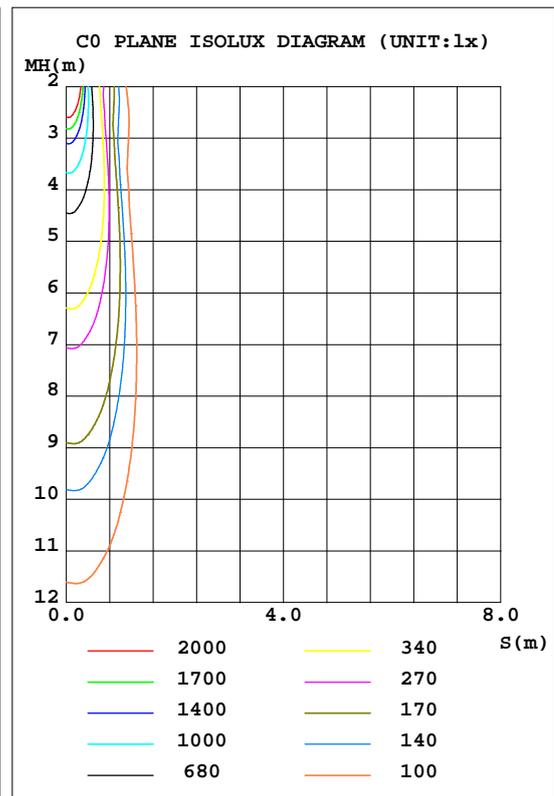
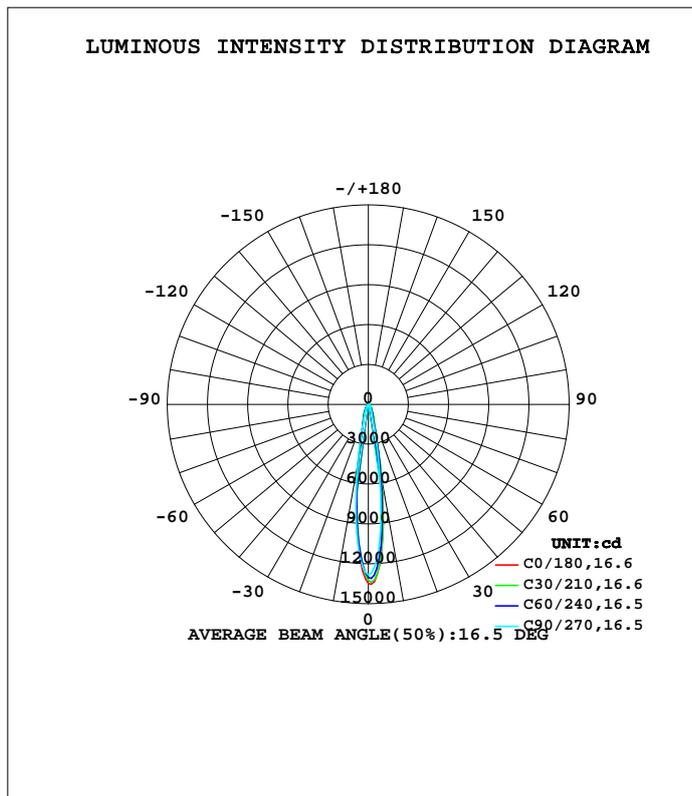


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 103.11 lm/W | | | |
|------------------|---------|-----------------------------------|--------|--------------------|----------|
| MODEL | | I _{max} (cd) | 13531 | S/MH(C0/180) | 0.26 |
| NOMINAL POWER(W) | -- | LOR(%) | 100.0 | S/MH(C90/270) | 0.28 |
| RATED VOLTAGE(V) | -- | TOTAL FLUX(lm) | 1919.9 | η UP, DN(C0-180) | 0.0,49.7 |
| NOMINAL FLUX(lm) | 1919.86 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,50.3 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | -- | η down(%) | 100.0 | CIBSE SHR MAX | 1.00 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

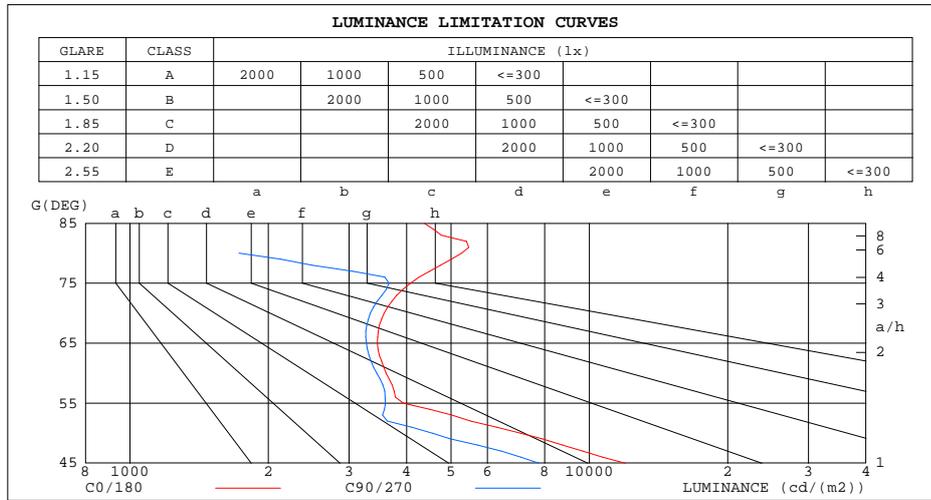
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | \$lum,lamp |
|----------|--|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 566.1 | 570.8 | 465.5 | 384.8 | 451.0 | 423.0 | 473.6 | 553.2 | 0- 10 | 784.9 | 784.9 | 40.9,40.9 |
| 20 | 118.5 | 116.4 | 86.62 | 82.40 | 111.6 | 107.3 | 90.27 | 93.51 | 10- 20 | 569.6 | 1355 | 70.6,70.6 |
| 30 | 54.11 | 52.53 | 29.74 | 29.82 | 53.04 | 49.17 | 32.60 | 33.32 | 20- 30 | 303.4 | 1658 | 86.4,86.4 |
| 40 | 23.60 | 20.79 | 11.97 | 10.19 | 17.27 | 14.98 | 14.44 | 17.35 | 30- 40 | 176.4 | 1834 | 95.5,95.5 |
| 50 | 3.551 | 3.315 | 2.282 | 2.201 | 2.849 | 2.736 | 2.372 | 2.993 | 40- 50 | 49.25 | 1884 | 98.1,98.1 |
| 60 | 1.409 | 1.406 | 1.344 | 1.297 | 1.380 | 1.334 | 1.339 | 1.356 | 50- 60 | 15.84 | 1899 | 98.9,98.9 |
| 70 | 0.9544 | 0.9132 | 0.8901 | 0.8548 | 0.9878 | 0.9188 | 0.9087 | 0.8877 | 60- 70 | 11.02 | 1910 | 99.5,99.5 |
| 80 | 0.7139 | 0.5298 | 0.2341 | 0.3543 | 0.7131 | 0.4248 | 0.2446 | 0.5323 | 70- 80 | 7.825 | 1918 | 99.9,99.9 |
| 90 | 0.0041 | 0.0038 | 0.0029 | 0.0036 | 0.0069 | 0.0068 | 0.0059 | 0.0067 | 80- 90 | 1.561 | 1920 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY: $\times 10\text{cd}$ | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 4367 | 49 |
| 80 | 5271 | 1729 |
| 75 | 4082 | 3665 |
| 70 | 3577 | 3336 |
| 65 | 3458 | 3270 |
| 60 | 3612 | 3445 |
| 55 | 3942 | 3597 |
| 50 | 7082 | 4552 |
| 45 | 11977 | 7769 |

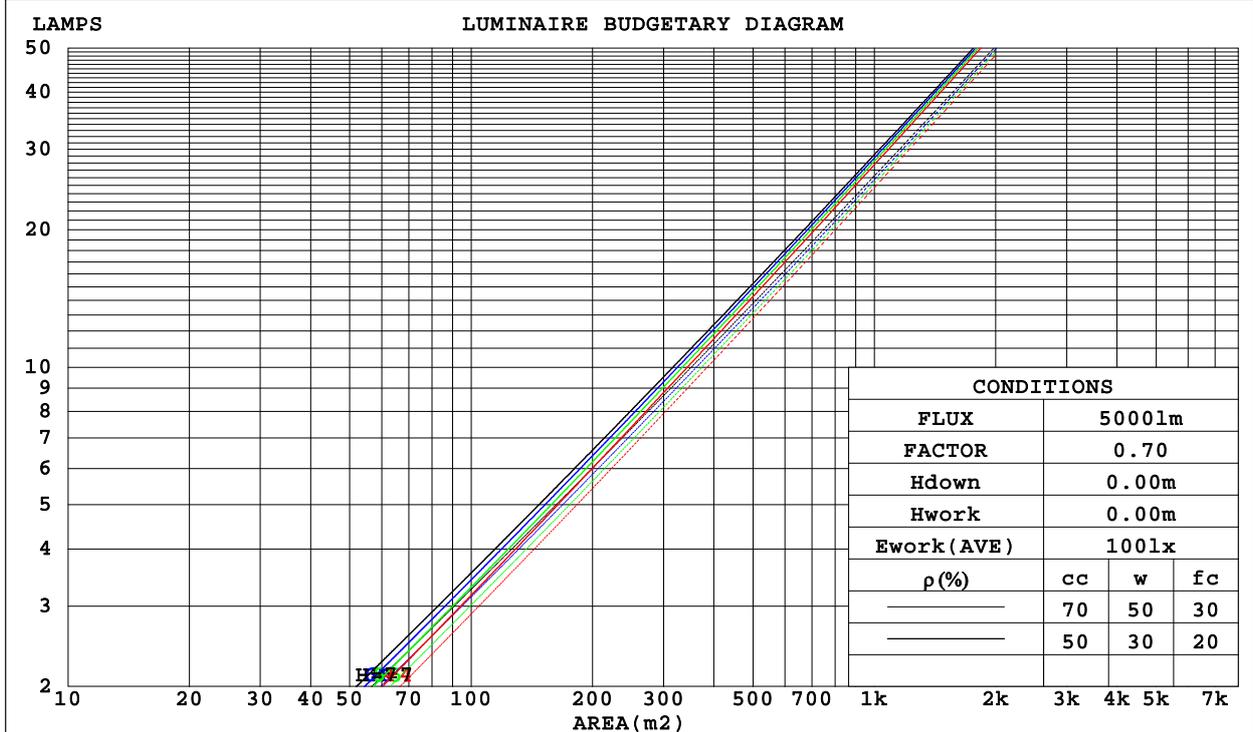
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.12 | 1.10 | 1.09 | 1.10 | 1.09 | 1.07 | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .99 | .98 | .98 | .96 |
| 2.0 | 1.07 | 1.04 | 1.01 | 1.05 | 1.02 | .90 | 1.02 | .90 | .98 | .99 | .97 | .96 | .96 | .95 | .94 | .92 |
| 3.0 | 1.02 | .98 | .95 | 1.00 | .97 | .94 | .98 | .95 | .93 | .96 | .93 | .91 | .94 | .92 | .90 | .89 |
| 4.0 | .97 | .93 | .90 | .96 | .93 | .90 | .94 | .91 | .88 | .93 | .90 | .88 | .91 | .88 | .87 | .85 |
| 5.0 | .94 | .89 | .86 | .93 | .89 | .86 | .91 | .88 | .85 | .90 | .87 | .84 | .88 | .86 | .84 | .82 |
| 6.0 | .90 | .86 | .83 | .89 | .85 | .82 | .88 | .85 | .82 | .87 | .84 | .81 | .86 | .83 | .81 | .80 |
| 7.0 | .87 | .83 | .80 | .87 | .82 | .79 | .85 | .82 | .79 | .84 | .81 | .79 | .83 | .80 | .78 | .77 |
| 8.0 | .84 | .80 | .77 | .84 | .80 | .77 | .83 | .79 | .77 | .82 | .79 | .76 | .81 | .78 | .76 | .75 |
| 9.0 | .82 | .78 | .75 | .81 | .77 | .75 | .81 | .77 | .74 | .80 | .76 | .74 | .79 | .76 | .74 | .73 |
| 10.0 | .79 | .75 | .73 | .79 | .75 | .72 | .78 | .75 | .72 | .78 | .74 | .72 | .77 | .74 | .72 | .71 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .145 | .083 | .026 | .139 | .079 | .025 | .126 | .072 | .023 | .115 | .066 | .021 | .104 | .060 | .019 | |
| 2.0 | .135 | .074 | .023 | .130 | .072 | .022 | .120 | .066 | .021 | .110 | .062 | .019 | .101 | .057 | .018 | |
| 3.0 | .126 | .067 | .020 | .122 | .065 | .020 | .113 | .061 | .019 | .105 | .058 | .018 | .098 | .054 | .017 | |
| 4.0 | .118 | .061 | .018 | .114 | .060 | .018 | .107 | .057 | .017 | .100 | .054 | .016 | .094 | .051 | .016 | |
| 5.0 | .111 | .057 | .016 | .108 | .055 | .016 | .102 | .053 | .016 | .096 | .051 | .015 | .091 | .048 | .015 | |
| 6.0 | .105 | .053 | .015 | .102 | .052 | .015 | .097 | .050 | .014 | .092 | .048 | .014 | .087 | .046 | .014 | |
| 7.0 | .100 | .049 | .014 | .097 | .048 | .014 | .092 | .047 | .013 | .088 | .045 | .013 | .084 | .044 | .013 | |
| 8.0 | .095 | .046 | .013 | .092 | .045 | .013 | .088 | .044 | .013 | .084 | .043 | .012 | .081 | .041 | .012 | |
| 9.0 | .090 | .044 | .012 | .088 | .043 | .012 | .085 | .042 | .012 | .081 | .041 | .012 | .078 | .040 | .011 | |
| 10.0 | .086 | .041 | .011 | .084 | .041 | .011 | .081 | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .169 | .158 | .147 | .145 | .135 | .127 | .099 | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .016 | |
| 2.0 | .151 | .133 | .117 | .130 | .114 | .101 | .089 | .079 | .071 | .051 | .046 | .041 | .016 | .015 | .013 | |
| 3.0 | .137 | .113 | .095 | .117 | .098 | .082 | .081 | .068 | .058 | .047 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .125 | .098 | .078 | .107 | .085 | .068 | .074 | .059 | .048 | .043 | .035 | .028 | .014 | .011 | .009 | |
| 5.0 | .114 | .086 | .065 | .098 | .074 | .056 | .068 | .052 | .040 | .039 | .030 | .024 | .013 | .010 | .008 | |
| 6.0 | .105 | .076 | .055 | .091 | .066 | .048 | .063 | .046 | .034 | .036 | .027 | .020 | .012 | .009 | .007 | |
| 7.0 | .098 | .068 | .047 | .084 | .059 | .041 | .058 | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 | |
| 8.0 | .091 | .061 | .040 | .079 | .053 | .035 | .054 | .037 | .025 | .032 | .022 | .015 | .010 | .007 | .005 | |
| 9.0 | .086 | .055 | .035 | .074 | .048 | .031 | .051 | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 | |
| 10.0 | .081 | .051 | .031 | .070 | .044 | .027 | .048 | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------|----------------|------|------------------|------|------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | | | | | | | | | |
| NAME: 18w天花灯 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: | | | | | SUR.:100mm | | | Shielding Angle: | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working 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 | 16.3 | 17.0 | 16.5 | 17.2 | 17.3 | 13.7 | 14.4 | 13.9 | 14.6 | 14.7 |
| 3H | 16.3 | 17.0 | 16.6 | 17.2 | 17.3 | 13.9 | 14.5 | 14.1 | 14.7 | 14.9 |
| 4H | 16.4 | 17.0 | 16.6 | 17.2 | 17.4 | 14.0 | 14.7 | 14.3 | 14.9 | 15.1 |
| 6H | 16.5 | 17.1 | 16.8 | 17.3 | 17.6 | 14.1 | 14.7 | 14.4 | 14.9 | 15.1 |
| 8H | 16.6 | 17.1 | 16.9 | 17.4 | 17.6 | 14.0 | 14.6 | 14.3 | 14.8 | 15.1 |
| 12H | 16.6 | 17.1 | 16.9 | 17.4 | 17.7 | 14.0 | 14.5 | 14.3 | 14.8 | 15.1 |
| 4H 2H | 16.1 | 16.8 | 16.4 | 17.0 | 17.2 | 13.7 | 14.3 | 13.9 | 14.5 | 14.7 |
| 3H | 16.2 | 16.8 | 16.5 | 17.0 | 17.3 | 13.9 | 14.5 | 14.2 | 14.7 | 15.0 |
| 4H | 16.3 | 16.8 | 16.7 | 17.1 | 17.4 | 14.2 | 14.7 | 14.5 | 15.0 | 15.3 |
| 6H | 16.6 | 17.0 | 17.0 | 17.4 | 17.7 | 14.3 | 14.7 | 14.7 | 15.1 | 15.4 |
| 8H | 16.7 | 17.1 | 17.1 | 17.5 | 17.8 | 14.2 | 14.7 | 14.6 | 15.0 | 15.4 |
| 12H | 16.8 | 17.2 | 17.2 | 17.5 | 17.9 | 14.2 | 14.6 | 14.6 | 14.9 | 15.3 |
| 8H 4H | 16.3 | 16.7 | 16.7 | 17.1 | 17.4 | 14.3 | 14.7 | 14.6 | 15.0 | 15.4 |
| 6H | 16.7 | 17.0 | 17.1 | 17.4 | 17.8 | 14.4 | 14.7 | 14.8 | 15.1 | 15.6 |
| 8H | 16.8 | 17.1 | 17.3 | 17.6 | 18.0 | 14.4 | 14.7 | 14.8 | 15.1 | 15.5 |
| 12H | 16.9 | 17.2 | 17.4 | 17.6 | 18.1 | 14.3 | 14.6 | 14.8 | 15.0 | 15.5 |
| 12H 4H | 16.3 | 16.6 | 16.7 | 17.0 | 17.4 | 14.3 | 14.6 | 14.7 | 15.0 | 15.4 |
| 6H | 16.6 | 16.9 | 17.1 | 17.3 | 17.8 | 14.4 | 14.7 | 14.9 | 15.1 | 15.6 |
| 8H | 16.8 | 17.1 | 17.3 | 17.5 | 18.0 | 14.4 | 14.6 | 14.8 | 15.1 | 15.5 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.6 / - 4.0 | | | | | + 2.3 / - 3.2 | | | | |
| 1.5H | + 4.7 / - 3.9 | | | | | + 4.2 / - 3.4 | | | | |
| 2.0H | + 2.2 / - 0.8 | | | | | + 1.9 / - 0.7 | | | | |

CIE Pub.117, 1920 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.3)
Area: 0.0078 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-12-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

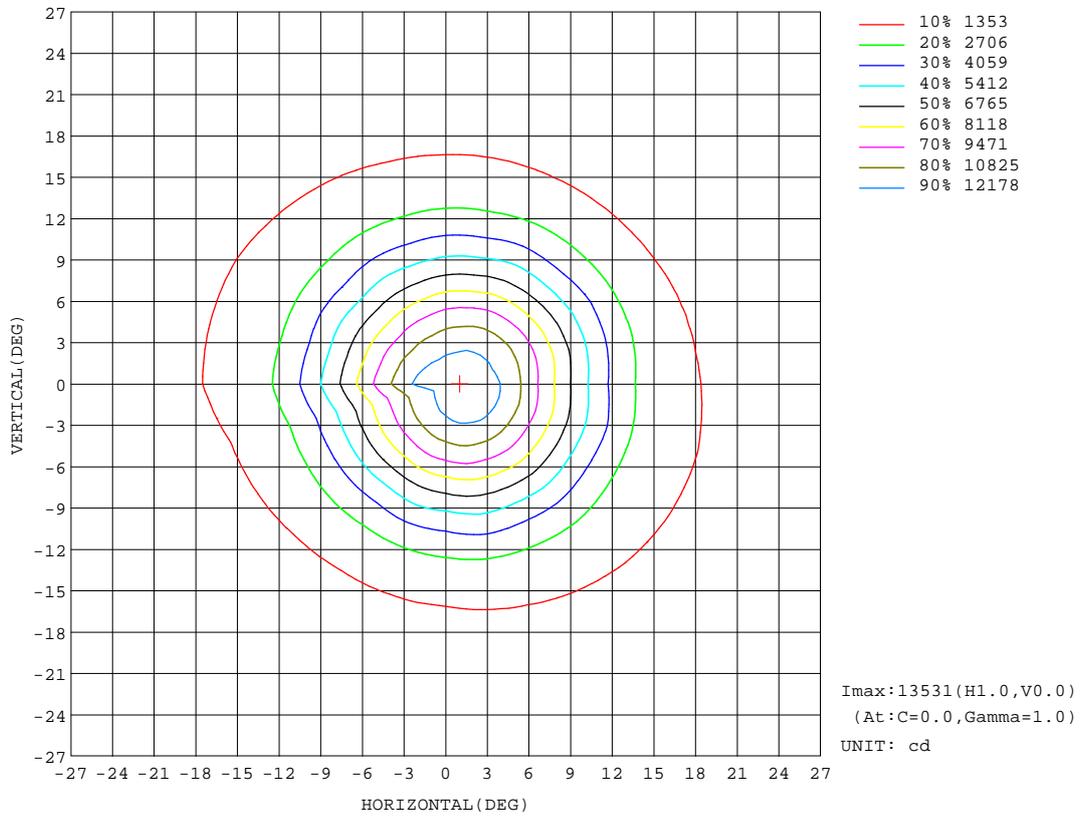
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 89 | 83 | 79 | 88 | 83 | 79 | 88 | 82 | 79 | 75 |
| 0.80 | 96 | 90 | 87 | 95 | 90 | 87 | 94 | 90 | 86 | 83 |
| 1.00 | 100 | 95 | 91 | 99 | 94 | 91 | 98 | 94 | 90 | 87 |
| 1.25 | 104 | 99 | 96 | 103 | 98 | 95 | 101 | 97 | 94 | 90 |
| 1.50 | 106 | 102 | 99 | 105 | 101 | 98 | 103 | 100 | 97 | 93 |
| 2.00 | 109 | 105 | 102 | 108 | 104 | 101 | 105 | 102 | 100 | 94 |
| 2.50 | 111 | 107 | 104 | 109 | 106 | 103 | 106 | 103 | 101 | 95 |
| 3.00 | 112 | 109 | 106 | 110 | 107 | 105 | 107 | 105 | 103 | 97 |
| 4.00 | 114 | 111 | 109 | 112 | 110 | 108 | 108 | 107 | 105 | 98 |
| 5.00 | 115 | 113 | 111 | 113 | 111 | 110 | 109 | 108 | 107 | 99 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |



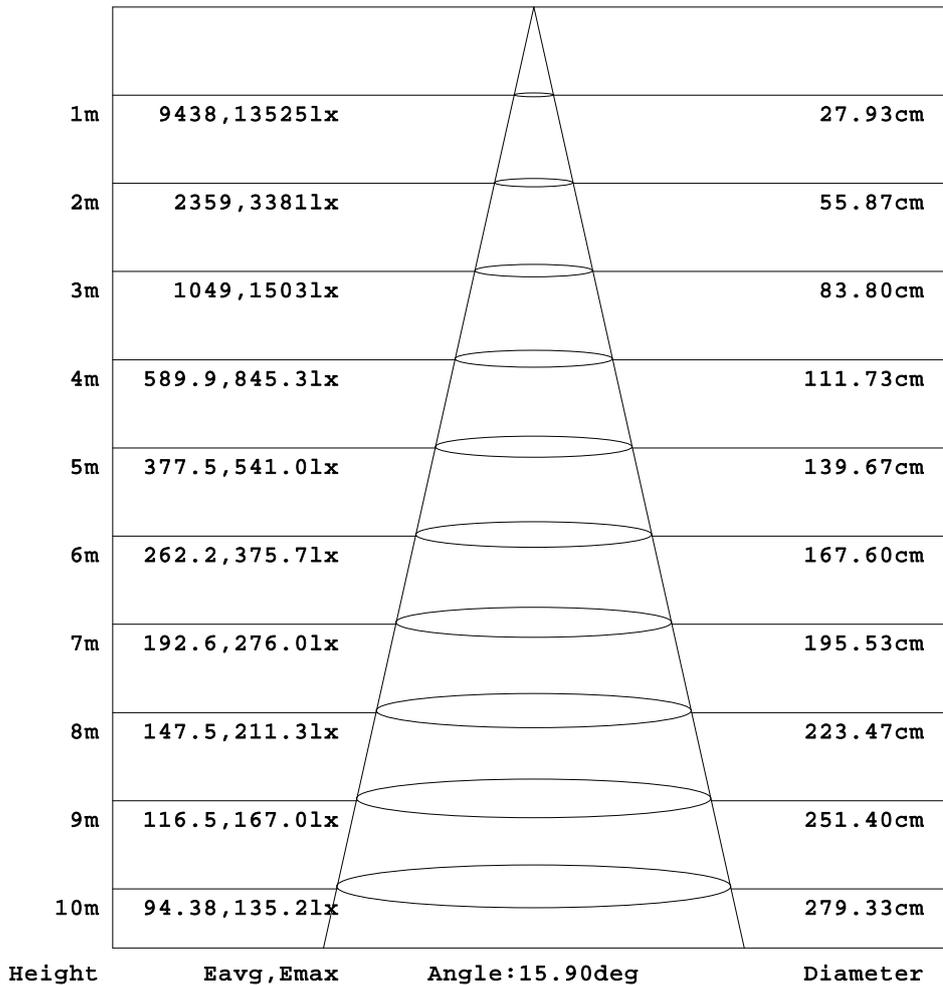
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

Flux out:585.6 lm



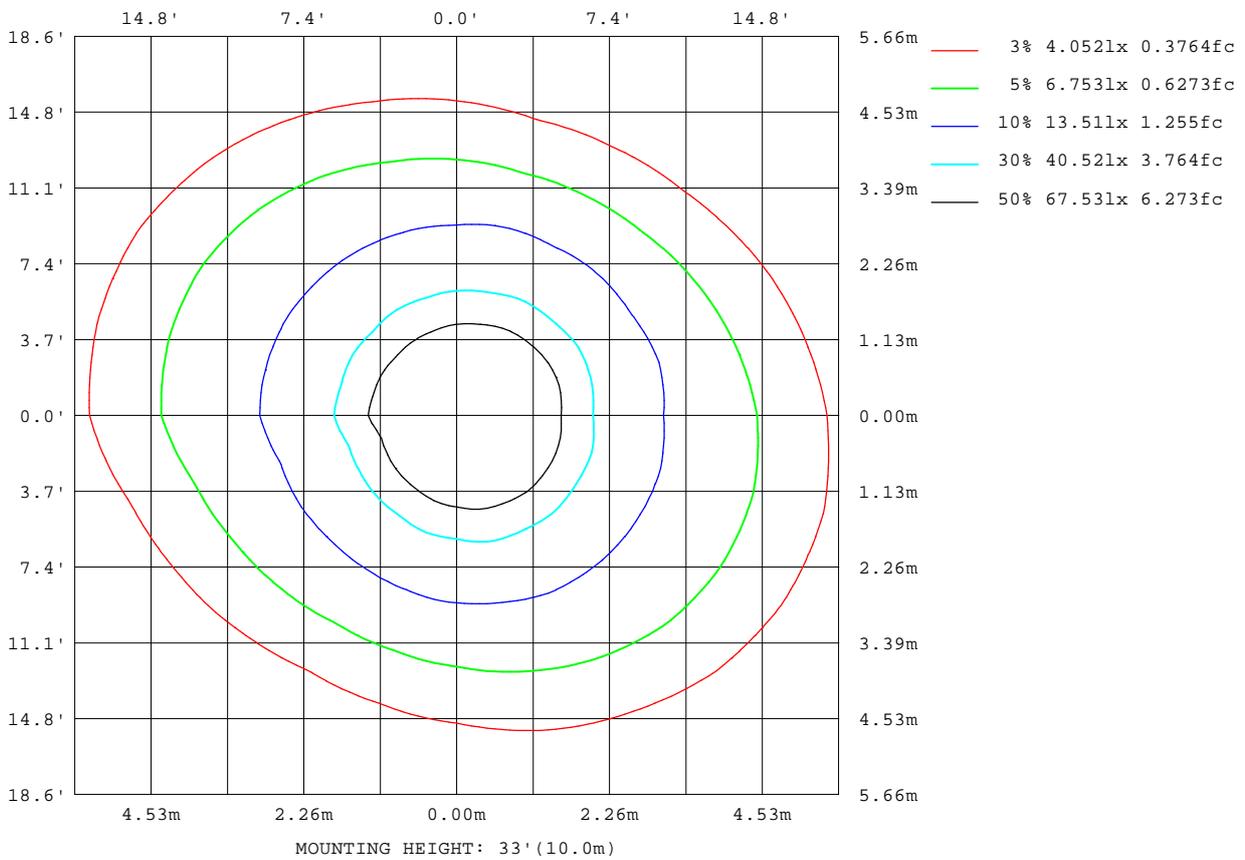
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

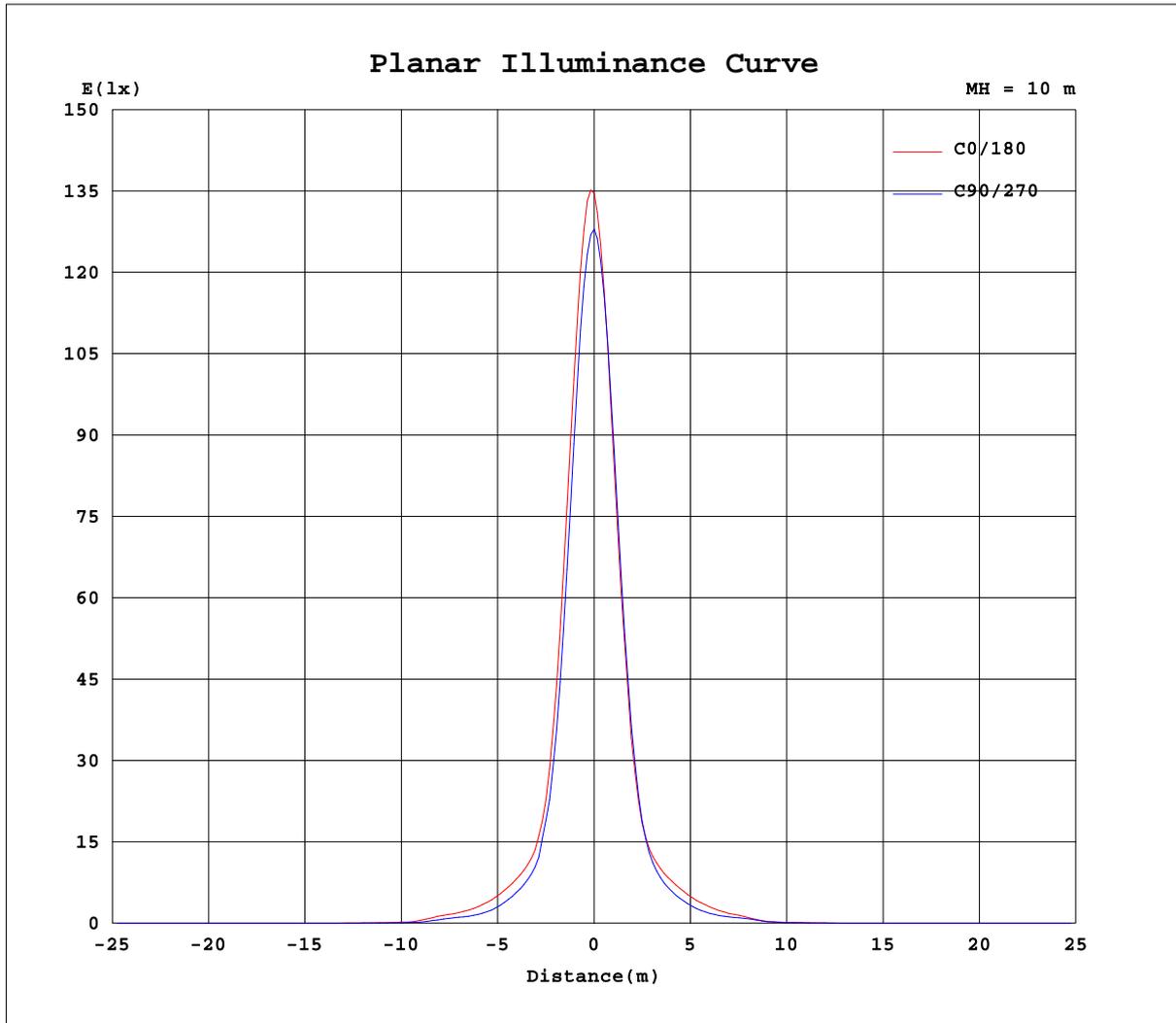
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3489 |
| L_0~180(75)av | 4175 |
| L_0~180(85)av | 3933 |
| L_90~270(65)av | 3307 |
| L_90~270(75)av | 3725 |
| L_90~270(85)av | 70 |
| L_45(65)av | 3311 |
| L_45(75)av | 3717 |
| L_45(85)av | 542 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

Table--1 UNIT: x10cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1347 | 1334 | 1324 | 1311 | 1301 | 1289 | 1280 | 1273 | 1266 | 1263 | 1261 | 1262 | 1347 | 1334 | 1324 | 1311 | 1301 | 1289 | 1280 |
| 5 | 1125 | 1132 | 1120 | 1109 | 1081 | 1052 | 1007 | 973 | 926 | 901 | 876 | 866 | 970 | 939 | 932 | 922 | 940 | 954 | 989 |
| 10 | 566 | 584 | 579 | 571 | 538 | 522 | 466 | 447 | 399 | 385 | 374 | 374 | 451 | 426 | 436 | 423 | 447 | 445 | 474 |
| 15 | 210 | 217 | 211 | 208 | 205 | 182 | 174 | 154 | 145 | 143 | 147 | 152 | 176 | 182 | 174 | 179 | 172 | 179 | 174 |
| 20 | 118 | 123 | 121 | 116 | 107 | 96.7 | 86.6 | 80.6 | 78.5 | 82.4 | 87.8 | 96.5 | 112 | 113 | 113 | 107 | 102 | 94.2 | 90.3 |
| 25 | 81.7 | 85.7 | 84.3 | 79.2 | 70.0 | 60.6 | 52.0 | 47.1 | 45.2 | 50.8 | 57.0 | 64.8 | 79.2 | 80.6 | 79.6 | 74.9 | 67.5 | 60.3 | 55.4 |
| 30 | 54.1 | 58.2 | 57.1 | 52.5 | 44.0 | 36.9 | 29.7 | 26.6 | 25.9 | 29.8 | 35.2 | 42.5 | 53.0 | 54.6 | 54.1 | 49.2 | 43.9 | 36.9 | 32.6 |
| 35 | 36.8 | 39.6 | 38.0 | 34.4 | 28.4 | 24.1 | 20.9 | 19.3 | 19.4 | 21.0 | 23.8 | 27.9 | 34.2 | 35.3 | 35.5 | 32.8 | 29.7 | 25.1 | 22.2 |
| 40 | 23.6 | 25.1 | 23.1 | 20.8 | 16.8 | 14.6 | 12.0 | 11.1 | 9.62 | 10.2 | 10.2 | 12.3 | 17.3 | 16.3 | 16.8 | 15.0 | 15.3 | 14.0 | 14.4 |
| 45 | 6.61 | 7.03 | 6.62 | 6.37 | 5.51 | 4.99 | 4.28 | 3.92 | 3.87 | 3.95 | 4.16 | 4.62 | 5.78 | 5.77 | 5.89 | 5.52 | 5.34 | 4.90 | 4.78 |
| 50 | 3.55 | 3.62 | 3.53 | 3.31 | 3.02 | 2.62 | 2.28 | 2.29 | 2.28 | 2.20 | 2.28 | 2.31 | 2.85 | 2.86 | 2.83 | 2.74 | 2.64 | 2.57 | 2.37 |
| 55 | 1.76 | 1.79 | 1.78 | 1.72 | 1.66 | 1.62 | 1.61 | 1.59 | 1.55 | 1.53 | 1.50 | 1.49 | 1.60 | 1.59 | 1.59 | 1.58 | 1.56 | 1.53 | 1.53 |
| 60 | 1.41 | 1.42 | 1.41 | 1.41 | 1.38 | 1.36 | 1.34 | 1.32 | 1.30 | 1.30 | 1.29 | 1.28 | 1.38 | 1.37 | 1.35 | 1.33 | 1.33 | 1.34 | 1.34 |
| 65 | 1.14 | 1.14 | 1.14 | 1.12 | 1.10 | 1.10 | 1.08 | 1.06 | 1.05 | 1.05 | 1.07 | 1.08 | 1.16 | 1.14 | 1.13 | 1.10 | 1.09 | 1.10 | 1.10 |
| 70 | 0.95 | 0.95 | 0.94 | 0.91 | 0.90 | 0.91 | 0.89 | 0.87 | 0.85 | 0.85 | 0.89 | 0.92 | 0.99 | 0.98 | 0.96 | 0.92 | 0.91 | 0.91 | 0.91 |
| 75 | 0.82 | 0.83 | 0.79 | 0.77 | 0.76 | 0.76 | 0.74 | 0.72 | 0.70 | 0.71 | 0.75 | 0.80 | 0.86 | 0.86 | 0.82 | 0.78 | 0.76 | 0.76 | 0.76 |
| 80 | 0.71 | 0.71 | 0.63 | 0.53 | 0.36 | 0.27 | 0.23 | 0.23 | 0.27 | 0.35 | 0.51 | 0.62 | 0.71 | 0.70 | 0.60 | 0.42 | 0.30 | 0.25 | 0.24 |
| 85 | 0.30 | 0.28 | 0.15 | 0.05 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.06 | 0.14 | 0.24 | 0.20 | 0.09 | 0.01 | 0.01 | 0.01 | 0.01 |
| 90 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------|------------------|
| Test:U:221.33V I:0.1694A P:18.620W PF:0.4967 Freq:50.00Hz Lamp Flux:1919.86x1 lm | | |
| NAME: 18w天花灯 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:100mm | Shielding Angle: |

Table--2

UNIT: x10cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1273 | 1266 | 1263 | 1261 | 1262 | | | | | | | | | | | | | | |
| 5 | 1021 | 1063 | 1089 | 1114 | 1120 | | | | | | | | | | | | | | |
| 10 | 490 | 540 | 553 | 580 | 590 | | | | | | | | | | | | | | |
| 15 | 186 | 190 | 207 | 210 | 215 | | | | | | | | | | | | | | |
| 20 | 86.7 | 89.1 | 93.5 | 102 | 111 | | | | | | | | | | | | | | |
| 25 | 51.1 | 53.1 | 57.1 | 64.6 | 73.3 | | | | | | | | | | | | | | |
| 30 | 29.3 | 30.1 | 33.3 | 40.7 | 47.4 | | | | | | | | | | | | | | |
| 35 | 20.8 | 20.9 | 22.7 | 27.1 | 31.8 | | | | | | | | | | | | | | |
| 40 | 14.6 | 16.2 | 17.3 | 20.1 | 22.7 | | | | | | | | | | | | | | |
| 45 | 4.56 | 4.97 | 5.17 | 5.74 | 6.19 | | | | | | | | | | | | | | |
| 50 | 2.54 | 2.74 | 2.99 | 3.17 | 3.42 | | | | | | | | | | | | | | |
| 55 | 1.53 | 1.56 | 1.62 | 1.68 | 1.74 | | | | | | | | | | | | | | |
| 60 | 1.35 | 1.35 | 1.36 | 1.35 | 1.36 | | | | | | | | | | | | | | |
| 65 | 1.10 | 1.09 | 1.10 | 1.11 | 1.11 | | | | | | | | | | | | | | |
| 70 | 0.90 | 0.89 | 0.89 | 0.92 | 0.93 | | | | | | | | | | | | | | |
| 75 | 0.76 | 0.75 | 0.75 | 0.76 | 0.80 | | | | | | | | | | | | | | |
| 80 | 0.29 | 0.36 | 0.53 | 0.62 | 0.69 | | | | | | | | | | | | | | |
| 85 | 0.01 | 0.02 | 0.08 | 0.17 | 0.29 | | | | | | | | | | | | | | |
| 90 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: